LX-10F

Roland Digital Piano

Owner's Manual

Roland

Before using this unit, carefully read the sections entitled: "IMPORTANT SAFETY INSTRUCTIONS" Owner's manual p. 3), "USING THE UNIT SAFELY" (Owner's manual p. 8), and "IMPORTANT NOTES" (Owner's manual p. 10). These sections provide important information concerning the proper operation of the unit. Additionally, in order to feel assured that you have gained a good grasp of every feature provided by your new unit, Owner's manual should be read in its entirety. The manual should be saved and kept on hand as a convenient reference.

WARNING: To reduce the risk of fire or electric shock, do not expose this apparatus to rain or moisture.

CAUTION
RISK OF ELECTRIC SHOCK
DO NOT OPEN

ATTENTION: RISQUE DE CHOC ELECTRIQUE NE PAS OUVRIR

CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK,
DO NOT REMOVE COVER (OR BACK).
NO USER-SERVICEABLE PARTS INSIDE.
REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.

The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the product.

INSTRUCTIONS PERTAINING TO A RISK OF FIRE, ELECTRIC SHOCK, OR INJURY TO PERSONS.

IMPORTANT SAFETY INSTRUCTIONS
SAVE THESE INSTRUCTIONS

WARNING - When using electric products, basic precautions should always be followed, including the following:

1. Read these instructions.
2. Keep these instructions.
3. Heed all warnings.
4. Follow all instructions.
5. Do not use this apparatus near water.
6. Clean only with a dry cloth.
7. Do not block any of the ventilation openings. Install in accordance with the manufacturers instructions.
8. Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
9. Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.

10. Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
11. Only use attachments/accessories specified by the manufacturer.
12. Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.
13. Unplug this apparatus during lightning storms or when unused for long periods of time.
14. Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.

─── **For the U.K.** ───

IMPORTANT: THE WIRES IN THIS MAINS LEAD ARE COLOURED IN ACCORDANCE WITH THE FOLLOWING CODE.

BLUE: NEUTRAL
BROWN: LIVE

As the colours of the wires in the mains lead of this apparatus may not correspond with the coloured markings identifying the terminals in your plug, proceed as follows:
The wire which is coloured BLUE must be connected to the terminal which is marked with the letter N or coloured BLACK.
The wire which is coloured BROWN must be connected to the terminal which is marked with the letter L or coloured RED.
Under no circumstances must either of the above wires be connected to the earth terminal of a three pin plug.

Use your digital piano to **Enjoy**

Lessons at home!

Play together with your family

Dividing the keyboard for two-person performance (Twin Piano) • • • p. 27

Check your own performance

Recording your performance • • • p. 41

Play along with a metronome

Performing with the metronome • • • p. 22

Now I can play it!

Night-time or early morning lessons

Play using different sounds

Contents

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USING THE UNIT SAFELY

INSTRUCTIONS FOR THE PREVENTION OF FIRE, ELECTRIC SHOCK, OR INJURY TO PERSONS

About ⚠ WARNING and ⚠ CAUTION Notices

⚠ **WARNING**	Used for instructions intended to alert the user to the risk of death or severe injury should the unit be used improperly.
⚠ **CAUTION**	Used for instructions intended to alert the user to the risk of injury or material damage should the unit be used improperly. * Material damage refers to damage or other adverse effects caused with respect to the home and all its furnishings, as well to domestic animals or pets.

About the Symbols

⚠	The △ symbol alerts the user to important instructions or warnings. The specific meaning of the symbol is determined by the design contained within the triangle. In the case of the symbol at left, it is used for general cautions, warnings, or alerts to danger.
⊘	The ◯ symbol alerts the user to items that must never be carried out (are forbidden). The specific thing that must not be done is indicated by the design contained within the circle. In the case of the symbol at left, it means that the unit must never be disassembled.
⏻	The ● symbol alerts the user to things that must be carried out. The specific thing that must be done is indicated by the design contained within the circle. In the case of the symbol at left, it means that the power-cord plug must be unplugged from the outlet.

-------------------------------- **ALWAYS OBSERVE THE FOLLOWING** --------------------------------

⚠ WARNING

- Do not open or perform any internal modifications on the unit.

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- Do not attempt to repair the unit, or replace parts within it (except when this manual provides specific instructions directing you to do so). Refer all servicing to your retailer, the nearest Roland Service Center, or an authorized Roland distributor, as listed on the "Information" page.

....

- Never install the unit in any of the following locations.
    - Subject to temperature extremes (e.g., direct sunlight in an enclosed vehicle, near a heating duct, on top of heat-generating equipment); or are
    - Damp (e.g., baths, washrooms, on wet floors); or are
    - Exposed to steam or smoke; or are
    - Subject to salt exposure; or are
    - Humid; or are
    - Exposed to rain; or are
    - Dusty or sandy; or are
    - Subject to high levels of vibration and shakiness.

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- Make sure you always have the unit placed so it is level and sure to remain stable. Never place it on stands that could wobble, or on inclined surfaces.

....

- The unit should be connected to a power supply only of the type described in the operating instructions, or as marked on the rear panel of unit.

....

- Use only the attached power-supply cord. Also, the supplied power cord must not be used with any other device.

....

⚠ WARNING

- Do not excessively twist or bend the power cord, nor place heavy objects on it. Doing so can damage the cord, producing severed elements and short circuits. Damaged cords are fire and shock hazards!

....

- This unit, either alone or in combination with an amplifier and headphones or speakers, may be capable of producing sound levels that could cause permanent hearing loss. Do not operate for a long period of time at a high volume level, or at a level that is uncomfortable. If you experience any hearing loss or ringing in the ears, you should immediately stop using the unit, and consult an audiologist.

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- Do not allow any objects (e.g., flammable material, coins, pins); or liquids of any kind (water, soft drinks, etc.) to penetrate the unit.

....

- Immediately turn the power off, remove the power cord from the outlet, and request servicing by your retailer, the nearest Roland Service Center, or an authorized Roland distributor, as listed on the "Information" page when:
    - The power-supply cord or the plug has been damaged; or
    - If smoke or unusual odor occurs
    - Objects have fallen into, or liquid has been spilled onto the unit; or
    - The unit has been exposed to rain (or otherwise has become wet); or
    - The unit does not appear to operate normally or exhibits a marked change in performance.

....

⚠WARNING

- In households with small children, an adult should provide supervision until the child is capable of following all the rules essential for the safe operation of the unit.

- Protect the unit from strong impact. (Do not drop it!)

- Do not force the unit's power-supply cord to share an outlet with an unreasonable number of other devices. Be especially careful when using extension cords—the total power used by all devices you have connected to the extension cord's outlet must never exceed the power rating (watts/amperes) for the extension cord. Excessive loads can cause the insulation on the cord to heat up and eventually melt through.

- Before using the unit in a foreign country, consult with your retailer, the nearest Roland Service Center, or an authorized Roland distributor, as listed on the "Information" page.

- DO NOT play a CD-ROM disc on a conventional audio CD player. The resulting sound may be of a level that could cause permanent hearing loss. Damage to speakers or other system components may result.

- Do not put anything that contains water (e.g., flower vases) on this unit. Also, avoid the use of insecticides, perfumes, alcohol, nail polish, spray cans, etc., near the unit. Swiftly wipe away any liquid that spills on the unit using a dry, soft cloth.

⚠ CAUTION

- The unit should be located so that its location or position does not interfere with its proper ventilation.

- Always grasp only the plug on the power-supply cord when plugging into, or unplugging from, an outlet or this unit.

- At regular intervals, you should unplug the power plug and clean it by using a dry cloth to wipe all dust and other accumulations away from its prongs. Also, disconnect the power plug from the power outlet whenever the unit is to remain unused for an extended period of time. Any accumulation of dust between the power plug and the power outlet can result in poor insulation and lead to fire.

- Try to prevent cords and cables from becoming entangled. Also, all cords and cables should be placed so they are out of the reach of children.

⚠ CAUTION

- Never climb on top of, nor place heavy objects on the unit.

- Never handle the power cord or its plugs with wet hands when plugging into, or unplugging from, an outlet or this unit.

- If you need to move the instrument, take note of the precautions listed below. At least two persons are required to safely lift and move the unit. It should be handled carefully, all the while keeping it level. Make sure to have a firm grip, to protect yourself from injury and the instrument from damage.
  - Check to make sure the screws securing the unit to the stand have not become loose. Fasten them again securely whenever you notice any loosening.
  - Disconnect the power cord.
  - Disconnect all cords coming from external devices.
  - Raise the adjusters on the stand (p. 20).
  - Close the lid.

- Before cleaning the unit, turn off the power and unplug the power cord from the outlet (p. 16).

- Whenever you suspect the possibility of lightning in your area, pull the plug on the power cord out of the outlet.

- Be careful when opening/closing the lid so you do not get your fingers pinched (p. 14). Adult supervision is recommended whenever small children use the unit.

- When using the stool, please observe the following points:
  - Do not use the stool as a toy, or as a stepping stool.
  - Do not allow two or more persons to sit on the stool.
  - Do not adjust the height while sitting on the stool.
  - Do not sit on the stool if the bolts holding the stool legs are loose. (If the bolts are loose, immediately re-tighten them using the supplied tool.)
  - Never insert your hand into the gap (the metal height adjustment mechanism) under the seat lid. Doing so may cause your hand to be pinched or injured.

- Always keep the following small parts that may be removed out of the reach of small children to avoid accidental ingestion of these parts.
  - Screws for assembling the stand you may remove
  - Included wing nut for headphone hook
  - Included stereo 1/4" plug adaptor (if a stereo 1/4"plug adaptor is included with your headphones)

IMPORTANT NOTES

Power Supply

- Do not connect this unit to same electrical outlet that is being used by an electrical appliance that is controlled by an inverter (such as a refrigerator, washing machine, microwave oven, or air conditioner), or that contains a motor. Depending on the way in which the electrical appliance is used, power supply noise may cause this unit to malfunction or may produce audible noise. If it is not practical to use a separate electrical outlet, connect a power supply noise filter between this unit and the electrical outlet.

- Before connecting this unit to other devices, turn off the power to all units. This will help prevent malfunctions and/or damage to speakers or other devices.

- Although the LCD and LEDs are switched off when the POWER switch is switched off, this does not mean that the unit has been completely disconnected from the source of power. If you need to turn off the power completely, first turn off the POWER switch, then unplug the power cord from the power outlet. For this reason, the outlet into which you choose to connect the power cord's plug should be one that is within easy reach and readily accessible.

Placement

- Using the unit near power amplifiers (or other equipment containing large power transformers) may induce hum. To alleviate the problem, change the orientation of this unit; or move it farther away from the source of interference.

- This device may interfere with radio and television reception. Do not use this device in the vicinity of such receivers.

- Noise may be produced if wireless communications devices, such as cell phones, are operated in the vicinity of this unit. Such noise could occur when receiving or initiating a call, or while conversing. Should you experience such problems, you should relocate such wireless devices so they are at a greater distance from this unit, or switch them off.

- Do not expose the unit to direct sunlight, place it near devices that radiate heat, leave it inside an enclosed vehicle, or otherwise subject it to temperature extremes. Also, do not allow lighting devices that normally are used while their light source is very close to the unit (such as a piano light), or powerful spotlights to shine upon the same area of the unit for extended periods of time. Excessive heat can deform or discolor the unit.

- When moved from one location to another where the temperature and/or humidity is very different, water droplets (condensation) may form inside the unit. Damage or malfunction may result if you attempt to use the unit in this condition. Therefore, before using the unit, you must allow it to stand for several hours, until the condensation has completely evaporated.

- Do not allow rubber, vinyl, or similar materials to remain on the unit for long periods of time. Such objects can discolor or otherwise harmfully affect the finish.

- Do not allow objects to remain on top of the keyboard. This can be the cause of malfunction, such as keys ceasing to produce sound.

- Do not paste stickers, decals, or the like to this instrument. Peeling such matter off the instrument may damage the exterior finish.

Maintenance

- To clean the unit, use a dry, soft cloth; or one that is slightly dampened. Try to wipe the entire surface using an equal amount of strength, moving the cloth along with the grain of the wood. Rubbing too hard in the same area can damage the finish.

- Never use benzine, thinners, alcohol or solvents of any kind, to avoid the possibility of discoloration and/or deformation.

- The pedals of this unit are made of brass.
  Brass eventually darkens as the result of the natural oxidization process. If the brass becomes tarnished, polish it using commercially available metal polisher.

- Since wood will expand and contract depending on how it is used and the environment in which it is located, products made of wood may experience a gradual loosening of the screws over time.
  To ensure that your piano remains in safe, optimal condition, you should regularly check the tightness of the screws in the locations shown in the illustration. If you find that any screws are loose, use a screwdriver to tighten them.
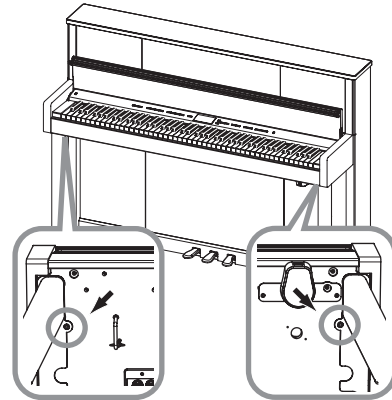
Maintenance (Polished-finish pianos)

- Since your piano has a polished finish that is as delicate as that found on finely crafted wooden furniture, it needs careful, periodic care.
  - For regular dusting, use a soft, clean cloth and/or a piano-use feather duster. Be sure to wipe gently. Even tiny granules of grit can damage the surface of the unit if you use too much pressure when wiping.
  - If the cabinet gets dirty, wipe it with a soft cloth that has been soaked with water, then squeezed dry. Afterwards, wipe it again with a soft dry cloth. Do not use any cleaners or detergents, since they might deteriorate the surface of the cabinet, and produce cracks. Do not use dusting cloths that contain chemicals.
  - If the cabinet's surface loses its luster, wipe it thoroughly with a soft cloth dampened with a little of the piano polishing liquid.

- About piano polishing liquid
  - Use polishing liquid as directed by the instructions for the product.
  - Use only polishing liquid that is intended for use on polished-finish pianos. Using any other polishing liquid may cause scratches, deformation, or discoloration. To purchase polishing liquid, contact your nearby musical instrument dealer.
  - Use the polishing liquid only on the polished surfaces of the cabinet. Always wipe the surface with the grain using straight, even strokes. Do not repeatedly wipe the same places using too much pressure, since that might result in the loss of luster.
  - Be sure to keep the polishing liquid out of the reach of small children. If the polishing liquid is accidentally swallowed, first get them to vomit, then take them to a doctor.

Repairs and Data

- Please be aware that all data contained in the unit's memory may be lost when the unit is sent for repairs. Important data should always be backed up on a USB memory, or written down on paper (when possible). During repairs, due care is taken to avoid the loss of data. However, in certain cases (such as when circuitry related to memory itself is out of order), we regret that it may not be possible to restore the data, and Roland assumes no liability concerning such loss of data.

Additional Precautions

- Please be aware that the contents of memory can be irretrievably lost as a result of a malfunction, or the improper operation of the unit. To protect yourself against the risk of loosing important data, we recommend that you periodically save a backup copy of important data you have stored in the unit's memory on a USB memory.

- Unfortunately, it may be impossible to restore the contents of data that was stored on a unit's memory or a USB memory once it has been lost. Roland Corporation assumes no liability concerning such loss of data.

- Use a reasonable amount of care when using the unit's buttons, sliders, or other controls; and when using its jacks and connectors. Rough handling can lead to malfunctions.

- Never strike or apply strong pressure to the display.

- When connecting / disconnecting all cables, grasp the connector itself—never pull on the cable. This way you will avoid causing shorts, or damage to the cable's internal elements.

- A small amount of heat will radiate from the unit during normal operation.

- To avoid disturbing your neighbors, try to keep the unit's volume at reasonable levels. You may prefer to use headphones, so you do not need to be concerned about those around you (especially when it is late at night).

- When you need to transport the unit, pack it in shock-absorbent material. Transporting the unit without doing so can cause it to become scratched or damaged, and could lead to malfunction.

- Do not apply undue force to the music rest while it is in use.

- Some connection cables contain resistors. Do not use cables that incorporate resistors for connecting to this unit. The use of such cables can cause the sound level to be extremely low, or impossible to hear. For information on cable specifications, contact the manufacturer of the cable.

- Before opening or closing the keyboard lid, always make sure that no pets or other small animals are located on top of the instrument (in particular, they should be kept away from the keyboard and its lid). Otherwise, due to the structural design of this instrument, small pets or other animals could end up getting trapped inside it. If such a situation is encountered, you must immediately switch off the power and disconnect the power cord from the outlet. You should then consult with the retailer from whom the instrument was purchased, or contact the nearest Roland Service Center.

Handling the Floppy Disk Drive
(Using Optional Floppy Disk Drive)

- Never attempt to remove a floppy disk from the drive while the drive is operating (the indicator is lit); damage could result to both the disk and the drive.

Handling Floppy Disks

- Floppy disks contain a plastic disk with a thin coating of magnetic storage medium. Microscopic precision is required to enable storage of large amounts of data on such a small surface area. To preserve their integrity, please observe the following when handling floppy disks:
  - Never touch the magnetic medium inside the disk.
  - Do not use or store floppy disks in dirty or dusty areas.
  - Do not subject floppy disks to temperature extremes (e.g., direct sunlight in an enclosed vehicle). Recommended temperature range: 10 to 50 degree C (50 to 122 degree F)
  - Do not expose floppy disks to strong magnetic fields, such as those generated by loudspeakers.

- Floppy disks have a "write protect" tab which can protect the disk from accidental erasure. It is recommended that the tab be kept in the PROTECT position, and moved to the WRITE position only when you wish to write new data onto the disk.

Rear side of the disk

Write Protect Tab

Write (can write new data onto disk)

Protect (prevents writing to disk)
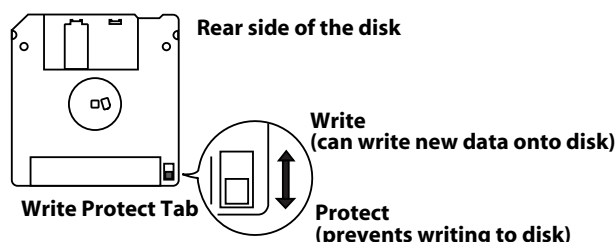
- The identification label should be firmly affixed to the disk. Should the label come loose while the disk is in the drive, it may be difficult to remove the disk.

- Store all disks in a safe place to avoid damaging them, and to protect them from dust, dirt, and other hazards. By using a dirty or dust-ridden disk, you risk damaging the disk, as well as causing the disk drive to malfunction.

Handling USB memory
(Using Optional USB Memory)

- Do not connect or disconnect USB memory while it is being read from, or written to (i.e., while the USB memory access indicator will blink).

- Carefully insert the USB memory all the way in—until it is firmly in place.

- Never touch the External Memory connector. Also, avoid getting the terminals dirty.

- USB memories are constructed using precision components; handle the USB memories carefully, paying particular note to the following.
  - To prevent damage to the USB memories from static electricity, be sure to discharge any static electricity from your own body before handling the USB memories.
  - Do not touch or allow metal to come into contact with the contact portion of the USB memories.
  - Do not bend, drop, or subject USB memories to strong shock or vibration.
  - Do not keep USB memories in direct sunlight, in closed vehicles, or other such locations.
  - Do not allow USB memories to become wet.
  - Do not disassemble or modify the USB memories.

Handling CD-ROMs
(Using Optional CD-Drive)

- Avoid touching or scratching the shiny underside (encoded surface) of the disc. Damaged or dirty CD-ROM discs may not be read properly. Keep your discs clean using a commercially available CD cleaner.

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* GS ( ) is a registered trademark of Roland Corporation.

* XGLite ( ) is a registered trademark of Yamaha Corporation.

* MMP (Moore Microprocessor Portfolio) refers to a patent portfolio concerned with microprocessor architecture, which was developed by Technology Properties Limited (TPL). Roland has licensed this technology from the TPL Group.

* All product names mentioned in this document are trademarks or registered trademarks of their respective owners.
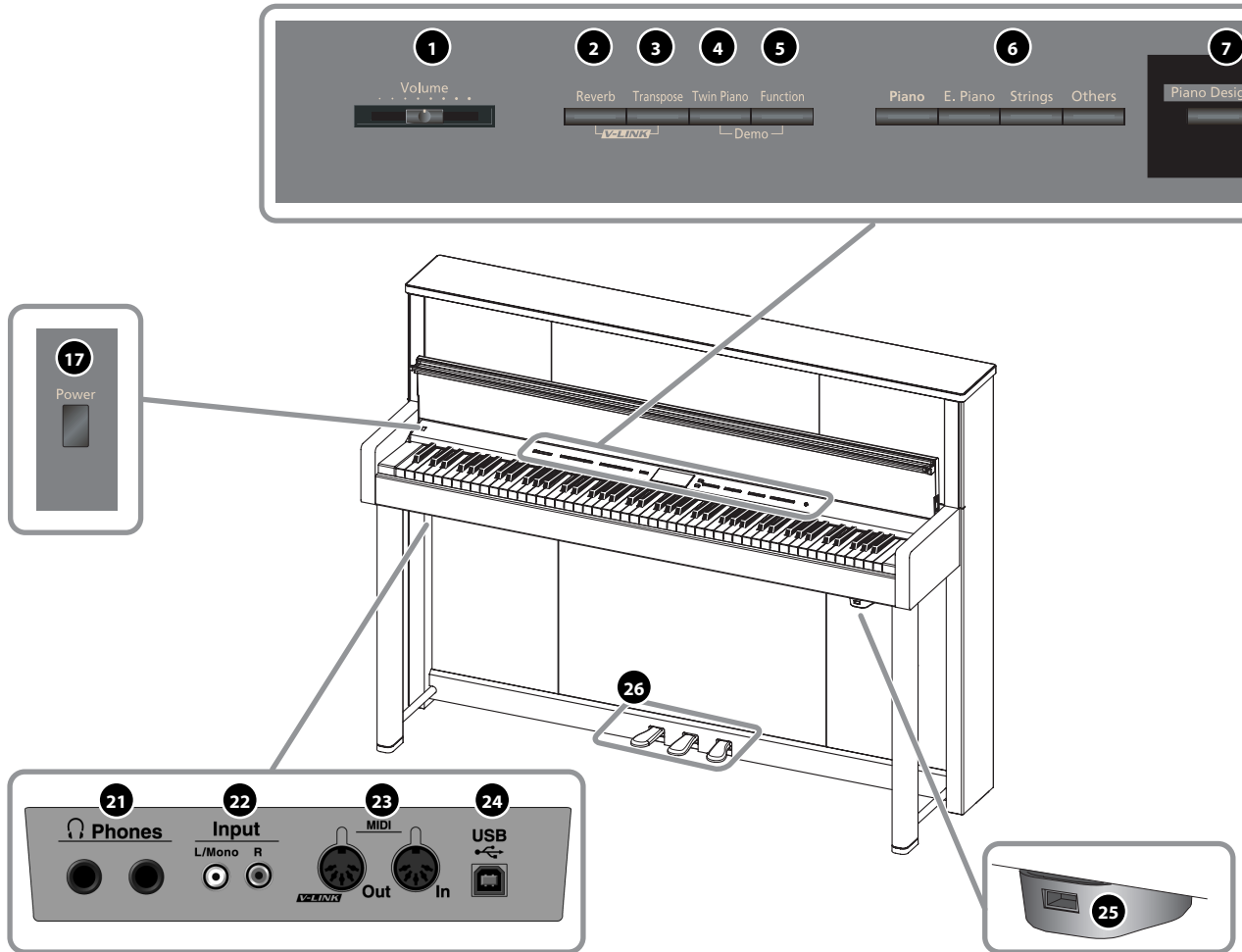
① **[Volume] slider**

Adjusts the overall volume of the LX-10F (p. 17).

② **[Reverb] button**

Adds reverberation similar to what you would hear when performing in a concert hall (p. 25).

③ **[Transpose] button**

Transposes the keyboard and/or song.
- Transposing the keyboard (p. 32).
- Transposing the song playback (p. 40).

④ **[Twin Piano] button**

- Divides the keyboard into two separate sections, allowing two people to perform in the same registers (p. 27).
- Allows you to perform with a split keyboard (p. 29).

⑤ **[Function] button**

Takes you to Function mode, where you can make a variety of settings, including those that change the sound or various other functions (p. 53).

⑥ **Tone buttons**

Here you can select the sound you'll hear when you play the keyboard (p. 21).

⑦ **[Piano Designer] button**

Allows you to adjust the piano sound to your taste, for example by adjusting the string resonance (p. 34).

⑧ **Display**

This shows the sound name, song number, tempo and time signature.

⑨ **[▲] [▼] buttons**

Use these buttons to select items in the Piano Designer or in Function mode.

⑩ **[−] (◄◄) [+] (►►I) buttons**

- Change the value of settings such as sounds or functions.
- Select the sound to be played from the keyboard (p. 21).
- Select a song (p. 37).
- Fast-forward/rewind a song (p. 37).

⑪ **[Song] (Tempo) button**

- Indicates the name of the currently selected song (p. 37).
- Changes the metronome's tempo or time signature (p. 22).

Grand Piano

♩= 120   4/4 M: 1
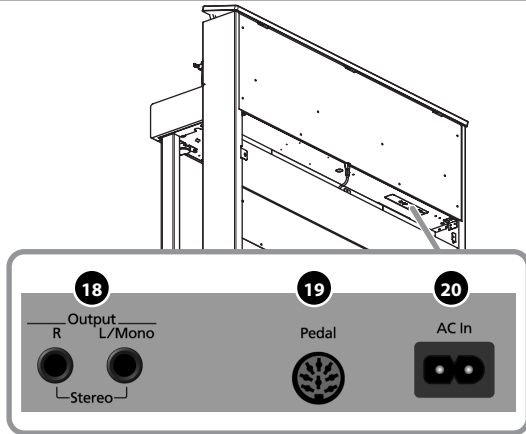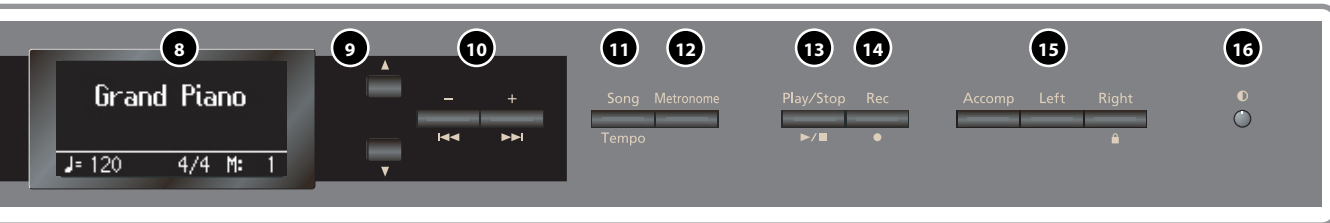
⑫ [Metronome] button

Turns the internal metronome on/off (p. 22).

⑬ [►/■] (Play/Stop) button

- Stops/starts playback of an internal song or a recorded performance (p. 37).
- Starts/stops recording of your performance (p. 41).

⑭ [●] (Rec) button

This lets you record your own performance into the LX-10F (p. 41).

⑮ Track buttons

- Allows you to play back your performance separately for each hand (p. 38).
- Records your performance separately for each hand (p. 48).
- Holding down the [Right] button will disable all button operations (Panel Lock) (p. 33).

⑯ [Display Contrast] knob

This adjusts the brightness of the screen (p. 17).

⑰ [Power] switch

Turns the power on/off (p. 16).

⑱ Output jacks (L/Mono, R)

You can connect an audio device or external powered speakers here to reproduce the LX-10F's sound (p. 66).

⑲ Pedal connector

Connect the pedal cord of the dedicated stand to this connector (p. 14).

⑳ AC In (AC Inlet)

Connect the included power cord here (p. 14).

㉑ Phones jacks

Here you can connect headphones (p. 18).

㉒ Input jacks (L/Mono, R)

Here you can connect an audio device or another electronic musical instrument, and listen to the connected device through the LX-10F's speakers (p. 66).

㉓ MIDI Out/In connectors

You can connect these to external MIDI devices to transfer performance data (p. 67).

㉔ USB connector

You can connect this to your computer for transferring performance data (p. 69).

㉕ External Memory connector

Here you can connect USB memory, a CD drive, or a floppy disk drive, and use it to play or save songs (p. 60).

㉖ Pedals

- These are used mainly when playing piano (p. 20).
- You can assign a variety of functions to the pedals (p. 58).

Getting Ready to Play

Before connecting cables to the bottom panel (the back edge of the LX-10F's bottom), you'll need to remove the rear board upper.

To remove the rear board upper, remove the three screws from the locations shown in the illustration.

Rear Board Upper
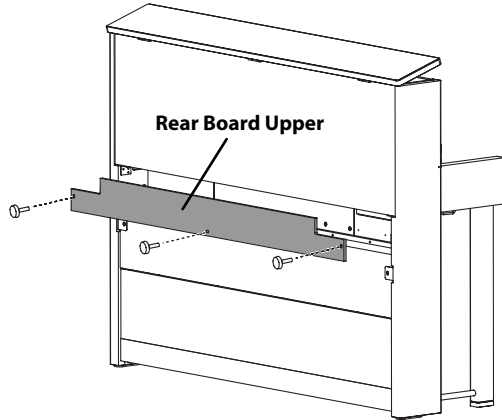
Connecting the Speaker Cable

Plug the speaker cable extending from the stand into the speaker connector located at the rear of the LX-10F's bottom panel.

Pay attention to the shape of the speaker cable's connector, and insert it until you hear it click securely into place.
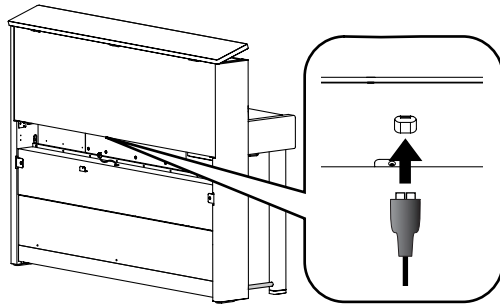
Connecting the Pedal Cord

Plug the pedal cord extending from the stand into the Pedal connector located at the rear of the LX-10F's bottom panel.
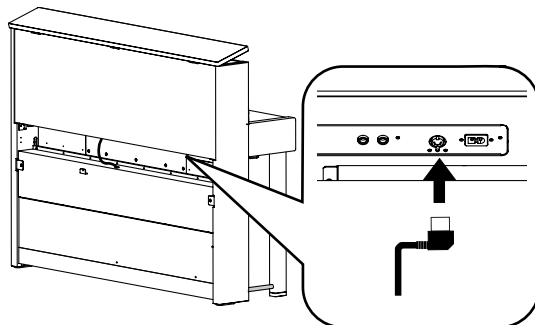
Connecting the Power Cord

Check before you connect the power cord.
- Make sure that the [Power] switch is off (p. 16).
- Make sure that the [Volume] slider is minimized (p. 17).

1. Connect the included power cord to the AC Inlet located at the rear of the bottom panel.

2. Plug the other end of the power cord into an AC outlet.

AC outlet
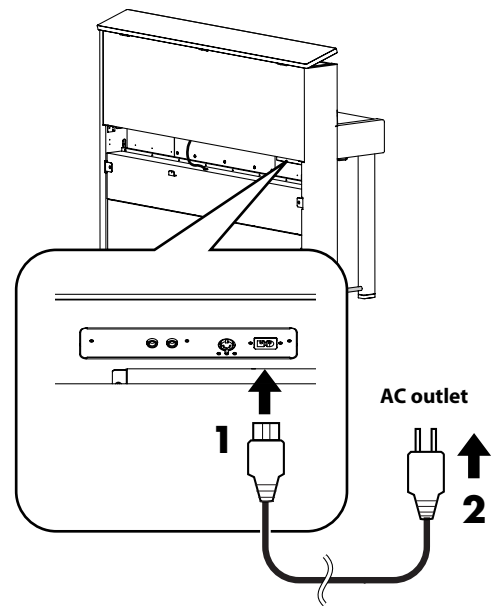
NOTE

You must use the power cord included with the LX-10F.

Opening/Closing the Lid

NOTE

To open the lid, use both hands to lift it lightly.
The lid of the LX-10F is designed to close softly even if you remove your hands from it. However, it will close quite abruptly if it has been opened only slightly. Be careful not to pinch your fingers in the gap.

1. To open the lid, use both hands to lift it.
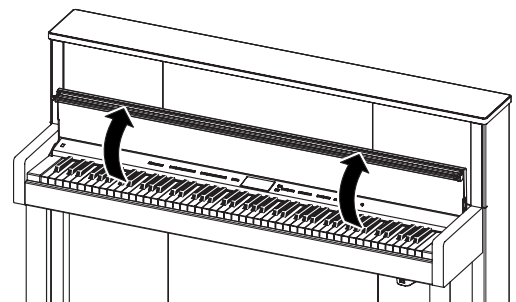
2. To close the lid, use both hands to gently lower it.
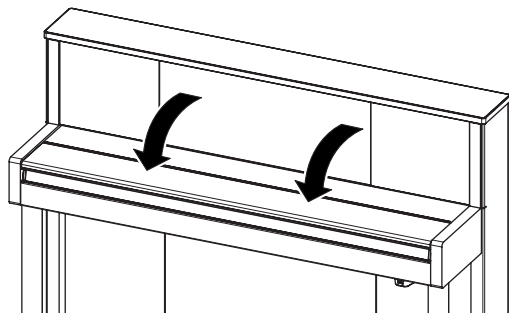
NOTE
> If you need to move the piano, make sure the lid is closed first to prevent accidents.

Opening/Closing the Top Lid

NOTE
> The top lid must be opened or closed by an adult.

NOTE
> Do not force the top lid backward; doing so will damage it.

NOTE
> Be careful not to pinch your fingers in the gap.

Opening the Top Lid

1. Lift up the top lid.

2. Raise the topstick located at the right edge.

3. Gently lower the top lid.
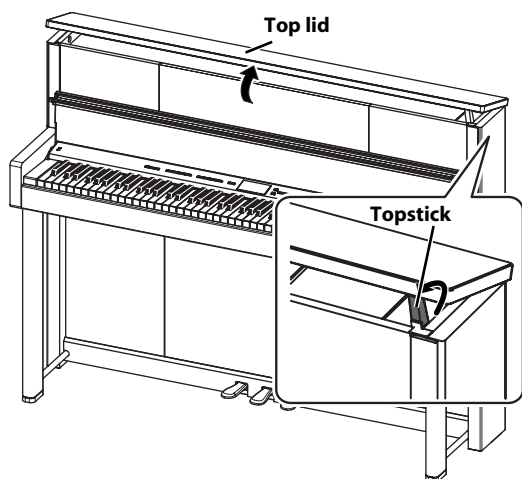
Top lid

Topstick

Closing the Top Lid

1. Lift up the top lid.

2. Fold down the topstick.

3. Gently lower the top lid.

Using the Music Rest

You can place music books or sheet music on the top edge of the opened lid.
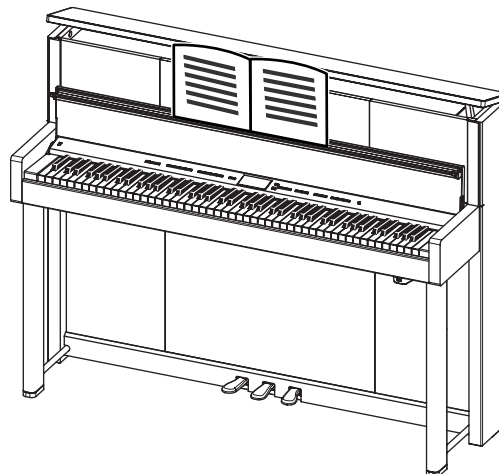
Tips for Placing Music

- Insert the sheet music into the groove on the top edge of the lid.

- Crease sheet music so that it will stay open.
  If this does not work, use paper clips to secure it.

- If the sheet music is thin, attach it to a clipboard before placing it on the music Rest.

Turning the Power On/Off

NOTE

Once the connections have been completed (p. 14), turn on power to your various devices in the order specified. By turning on devices in the wrong order, you risk causing malfunction and/or damage to speakers and other devices.
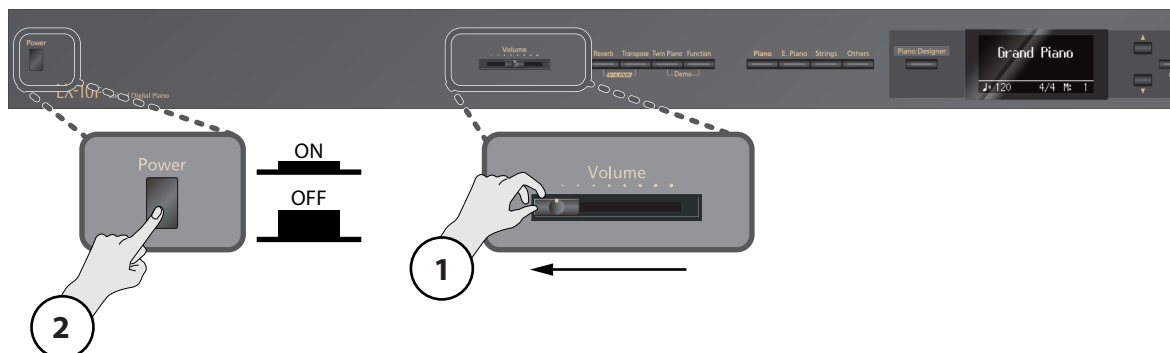
Turning the Power On

1. **Move the [Volume] slider all the way to the left to minimize the volume.**

2. **Press the [Power] switch.**

   The power will turn on, and [Piano] button and [Reverb] button will light.

   After a brief interval, you'll be able to produce sounds by playing the keyboard.

- This unit is equipped with a protection circuit. A brief interval (a few seconds) after power up is required before the unit will operate normally.

- Always make sure to have the volume level turned down before switching on power. Even with the volume all the way down, you may still hear some sound when the power is switched on, but this is normal, and does not indicate a malfunction.

3. **Use the [Volume] slider to adjust the volume (p. 17).**

Turning the Power Off

1. **Move the [Volume] slider all the way to the left to minimize the volume.**

2. **Press the [Power] switch.**

   The screen goes blank and the power is turned off.

   NOTE

   If you need to turn off the power completely, first turn off the POWER switch, then unplug the power cord from the power outlet. Refer to Power Supply (p. 10).

Adjusting the Sound's Volume

Here's how to adjust the volume of your keyboard playing or the playback volume of an internal song or USB memory song.

If headphones are connected, use the [Volume] slider to adjust the headphone volume.

Min ← → **Max**
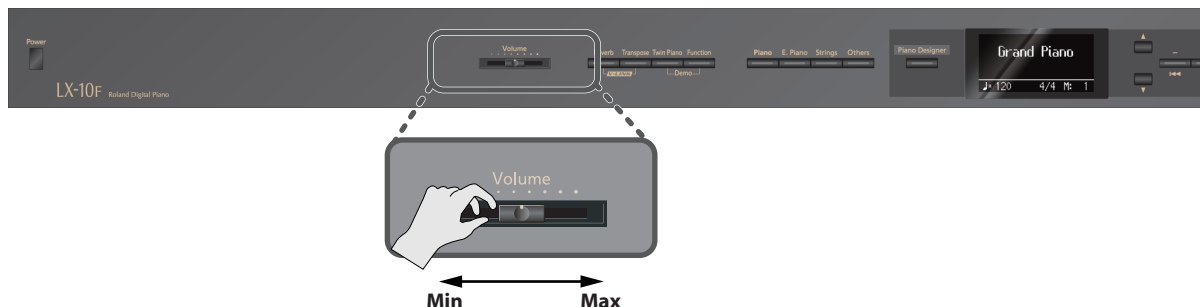
1. Turn the [Volume] slider to adjust the overall volume.

Adjust the volume while you play the keyboard to produce sound.

Turning the knob toward the right will increase the volume, and turning it toward the left will decrease the volume.

Adjusting the Brightness of the Display

You can adjust the brightness of the LX-10F's display.
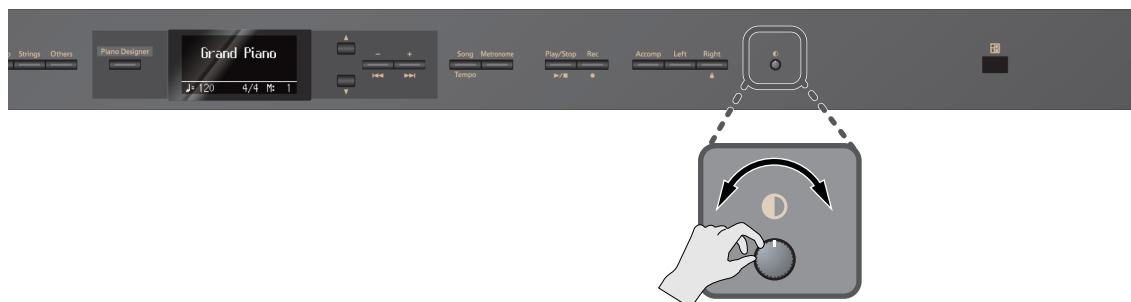
1. Turn the [Display Contrast] knob to adjust the brightness.

* You may notice something like vertical lines in the screen, but this is due to the characteristics of a liquid crystal display, and is not a malfunction. You can minimize this by using the [Display contrast] knob to adjust the brightness of the screen.

* The brightness may be affected by the temperature.

17

Using the Headphones

You can use headphones to enjoy the LX-10F without disturbing those around you, such as at night.

Connecting the Headphones

The LX-10F has two headphone jacks, two people can also use headphones simultaneously.
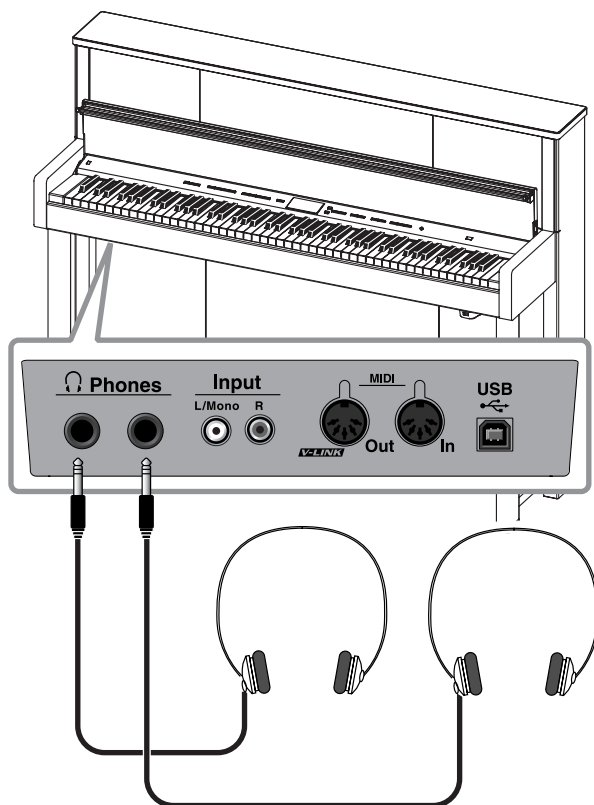
1. **Plug the headphones into the Phones jack.**

   If headphones are connected, no sound will be output from the LX-10F's speakers.

2. **Use the LX-10F's [Volume] slider to adjust the headphone volume (P.17).**

   If headphones are connected, a headphone symbol is shown in the lower left of the screen.

Using the Headphone Hook

Whenever you are not using the headphones, you can hang them on the headphone hook of the LX-10F.

Attaching the Headphone Hook
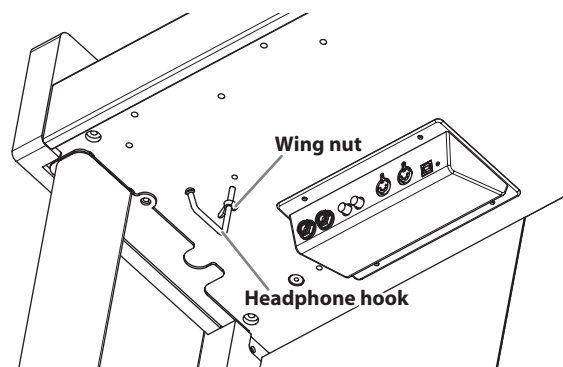
1. **Press and twist the headphone hook included with the LX-10F into the hole in the bottom left of the LX-10F (refer to the figure above).**

2. **Turn the headphone hook wing nut to secure the headphone hook.**

   NOTE

   Do not hang anything other than headphones on the headphone hook. Doing so may damage the instrument or the hook.

Cautions when Using Headphones

- To prevent damage to the cord's internal conductors, avoid rough handling. When using headphones, mainly try to handle either the plug or the headset.
- Your headphones may be damaged if the volume of a device is already turned up when you plug them in. Minimize the volume before you plug in the headphones.
- Excessive input will not only damage your hearing, but may also strain the headphones. Please enjoy music at an appropriate volume.
- Use headphones that have a stereo 1/4" phone plug.

Listening to Demo Songs

The LX-10F comes with demo songs.

* You won't be able to play back demo songs if there is an unsaved performance. You'll need to either delete or save your performance before playing demo songs (p. 42).
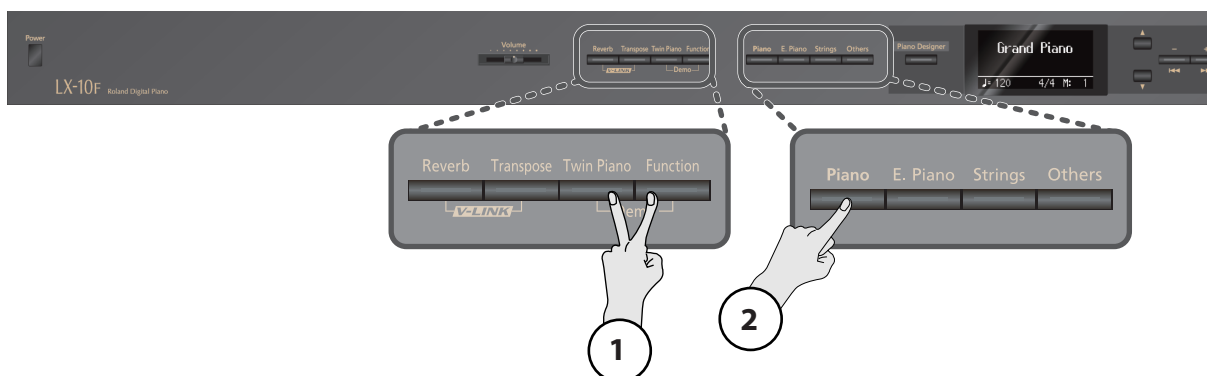
1. Hold down the [Twin Piano] button and press the [Function] button.

The indicators of the four tone buttons, the [Twin Piano] button, the [Piano Designer] button, and the [Function] button flash.

Button with tone demo	Demo content
[Piano]	Piano tone demo song
[E. Piano]	E. Piano tone demo song
[Strings]	Strings tone demo song
[Others]	Demo song using Guitar tones
[Piano Designer]	Demo songs using the Piano Designer function (p. 34) to demonstrate varieties of sounds

* All rights reserved. Unauthorized use of this material for purposes other than private, personal enjoyment is a violation of applicable laws.

* No data for the music that is played will be output from MIDI Out.

2. Press one of the Tone buttons.

The songs will play consecutively, starting with the demo song you selected. The button for the song currently being played back flashes on and off.

When playback of the last song is reached, playback continues by returning to the first song and playing that again.

3. To stop playback, press the blinking button.

4. Press the [Twin Piano] button to exit Demo mode.

The indicators of the four tone buttons, the [Twin Piano] button, the [Piano Designer] button, and the [Function] button will return to their original state.

Listening to the Piano Designer demo songs

1. In step 2, press the [Piano Designer] button.

   The piano designer demo screen will appear.

2. Press the [▲] or [▼] button to select the type of demo.

3. Press a blinking tone button.

   The demo song for the button you pressed will play.

   You can repeat steps 2 and 3 to hear other demo songs.

19

Using the Pedals

The pedals perform the following operations. You'll use them mainly when playing piano.

Soft Pedal

Sostenuto Pedal
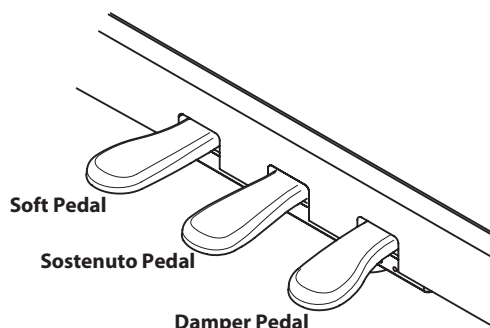
Damper Pedal

Damper Pedal (right pedal)

Use this pedal to sustain the sound.

While this pedal is held down, notes will be sustained for an extended time even if you release your fingers from the keyboard.

With the damper pedal on an acoustic piano, when you step on the pedal it will at first offer only a slight amount of resistance, but as you press down further it will start to feel much heavier. On the LX-10F, this change in the feeling of resistance is simulated.

On an acoustic piano, when you step on the damper pedal, you'll first hear the sound of the dampers releasing the strings. Then, you should also be able to hear the sound of strings adjacent to the ones for the notes actually played resonate sympathetically, resulting in a rich, resounding tone.

Additionally, when using half-pedaling techniques, the core of the sound disappears rapidly while a rich, spacious resonance remains, producing a unique form of reverberation. On the LX-10F, the unique, lingering tones produced by the half-pedaling technique are reproduced in addition to released-string sounds (Damper Noise) and resonating sounds (Damper Resonance).

MEMO

You can modify the sound of the damper releasing the string and the sound of the sympathetic vibration (p. 35).

Sostenuto Pedal (center pedal)

The notes you are pressing when this pedal is depressed will be sustained.

Soft Pedal (left pedal)

This pedal is used to make the sound softer.

Playing with the soft pedal depressed produces a sound that is not as strong as when otherwise played with the equivalent strength. This is the same function as the left pedal of an acoustic piano.

The softness of the tone can be varied subtly by the depth to which you press the pedal.

MEMO

You can switch the function of the sostenuto pedal and soft pedal (p. 58).

NOTE

If you disconnect the pedal cord from the LX-10F while the power is turned on, the pedal effect will remain applied. You must connect or disconnect the pedal cord while the LX-10F's power is switched off.

About the Adjuster

If you feel that the pedal is unstable (for example if you've moved the LX-10F to a different location), you can adjust the adjuster located on the bottom of the pedals as follows.
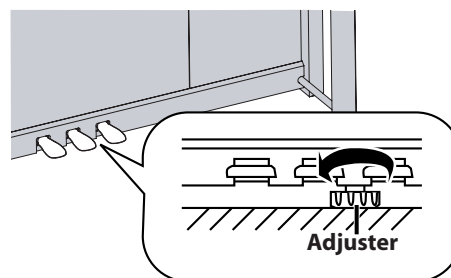
Adjuster

Turn the adjuster to lower it until the adjuster is in firm contact with the floor. The pedal may be damaged if there is a gap between the adjuster and the floor. In particular, when you've placed the LX-10F on carpet, you must turn the adjuster until it is pressing firmly against the floor.

Performing

Performing with Various Sounds

In addition to piano sounds, the LX-10F lets you enjoy performing with many other sounds (over 300 types).
These sounds are called "Tones." The Tones are divided into four groups, each of which is assigned to a different Tone button.

Let's start by performing with a piano tone.
When you turn on the power, the "Grand Piano1" Tone is selected.
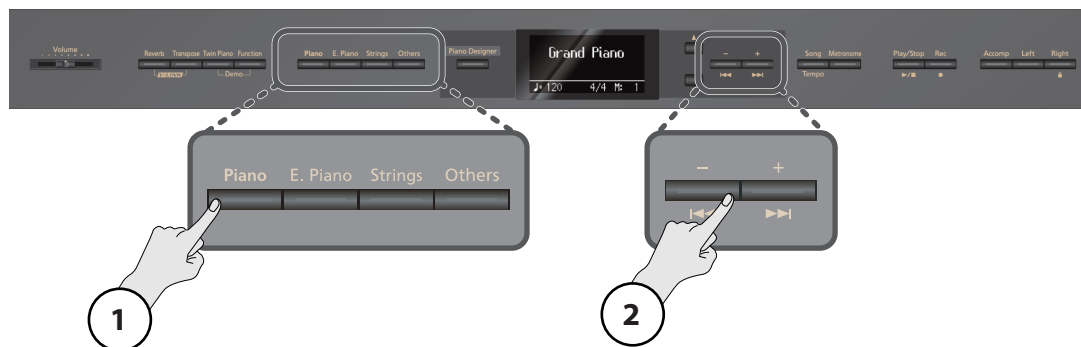
1. Press the [Piano] button.

The currently selected tone number and tone name are shown.

Tone name   Tone number

```
      001
Grand Piano1
♩= 108        4/4  M:  1
```

2. Press the [-] or [+] button.

A different tone is selected.

```
      003
Harpsichord
♩= 108        4/4  M:  1
```
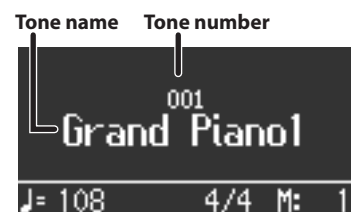
About the tones you can select

Button	Description
[Piano] button	Selects a variety of instruments, including grand pianos, honky-tonk pianos, and historical instruments.
[E. Piano] button	Selects various electric piano sounds used in pop or rock, as well as the sound of instruments played using mallets.
[Strings] button	Selects the sounds of string instruments such as violins, as well as other instruments used in orchestras, which are appropriate when used for Dual play with a piano sound.
[Others] button	Selects a variety of sounds such as organ, bass, and GM2 sounds (p. 80). * If you select a tone number from 35 through 42, the keyboard will act as a drum set. * If you've selected a tone to which the Rotary effect is applied, pressing the [Others] button will change the modulation speed of the Rotary effect.

* For some tones, there are keys that do not produce sound.

* For details on the tones, refer to "Tone list" (p. 75).

Performing with the Metronome

You can sound the metronome while you perform.

The LX-10F contains a versatile metronome feature. You can change the metronome's volume and time signature, or change the way in which it divides the beats.

While the song plays, the metronome will sound at the tempo and time signature of the song.
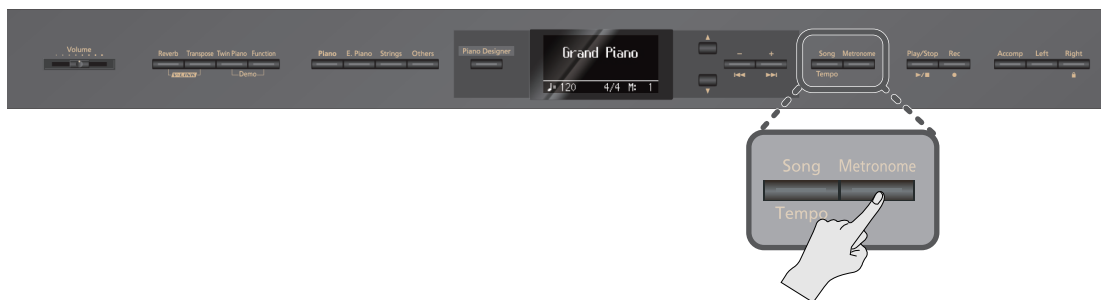
1.   Press the [Metronome] button.

The [Metronome] button will blink, and the display will indicate "Tempo."

The metronome will sound.

The [Metronome] button will blink red and green according to the currently selected time signature; red indicates the strong beats, and green indicates the weak beats.

MEMO
    You can press the [Metronome] button once again to stop the metronome.

Changing the Metronome's Tempo
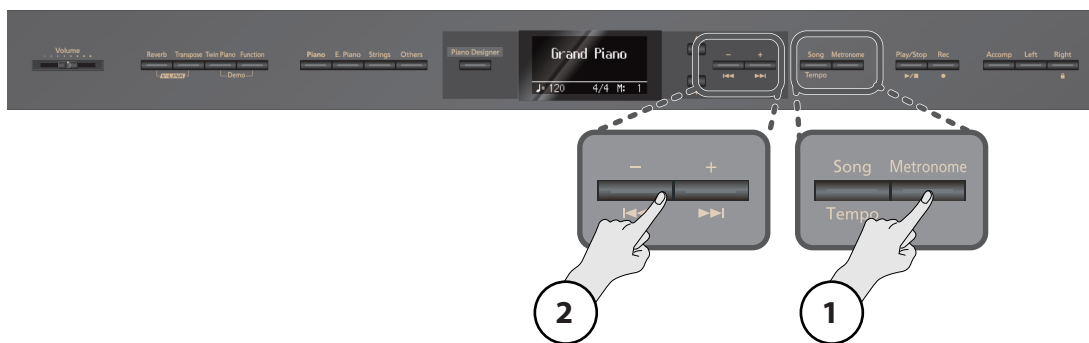
1.   Press the [Metronome] button.

The metronome will sound.

2.   Press the [-] or [+] button.

Correspondence between beat and tempo display

Beat	2/2	0/4, 2/4, 3/4, 4/4, 5/4, 6/4, 7/4	3/8	6/8, 9/8, 12/8
Tempo	♩ =5–250	♩ =10–500	♪ =20–999	♩. =7–333

Changing the Metronome's Time Signature
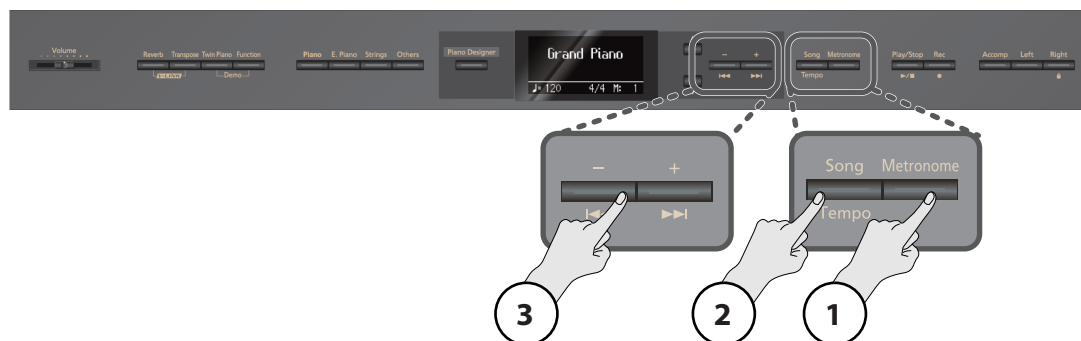
1. **Press the [Metronome] button.**

   The metronome will sound.

2. **Press the [Song] (Tempo) button.**

   The [Song] (Tempo) button will light orange, and the display will indicate the time signature.
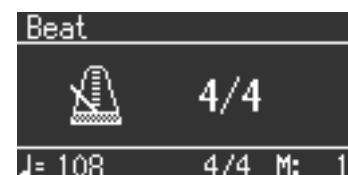
3. **Press the [-] or [+] button.**

   If you specify "0/4" only the weak beats will sound.

   If you record your performance, it will be recorded with the time signature you specify here.

   When you play back a song, the metronome's time signature will be set to the time signature of that song.

Available time signatures	2/2, 0/4, 2/4, 3/4, 4/4, 5/4, 6/4, 7/4, 3/8, 6/8, 9/8, 12/8

   MEMO You can change the way in which the metronome's beats are sounded (p. 57).

   * You can't change the metronome's time signature while a song is playing.

Adjusting the Metronome's Volume
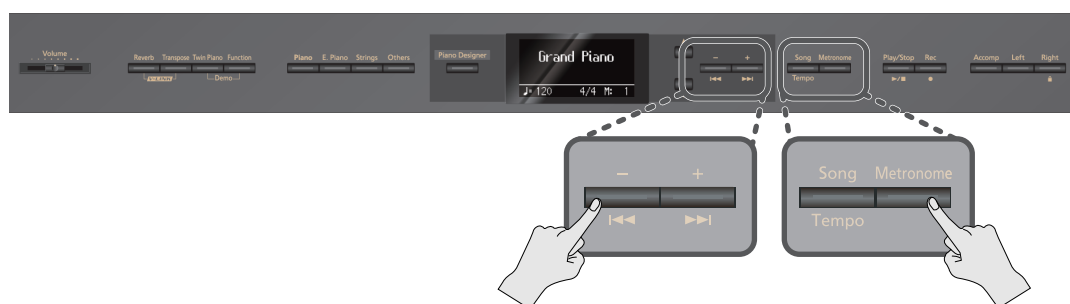
1. **While holding down the [Metronome] button, press the [-] or [+] button.**

   The display will indicate the metronome's volume.

   If you set the metronome's volume to "0" the metronome will not sound.

Metronome volume range	0–10
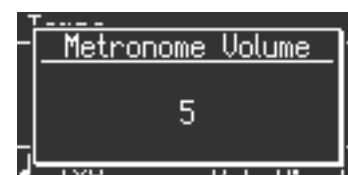
Adding a Count-in to Synchronize Your Performance (Count-in)

A series of sounds rhythmically played to indicate the tempo before a song starts is called a "count-in."

If you sound a count-in, it will be easier for you to synchronize your own performance to the tempo of the playback.
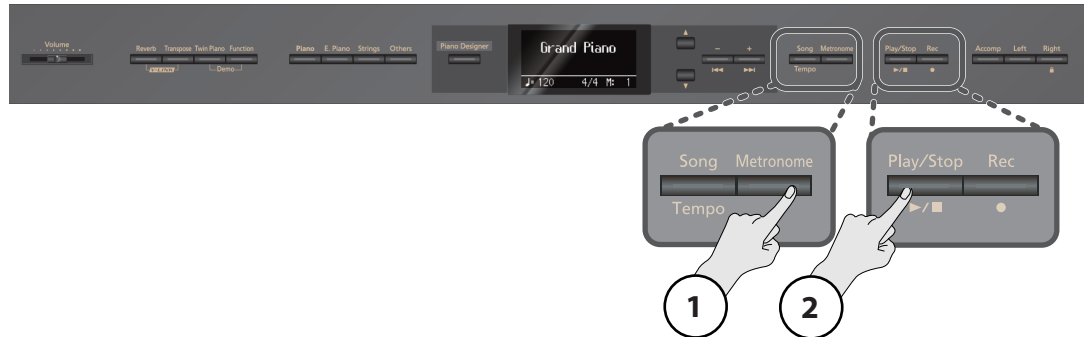
1. **Press the [Metronome] button.**

   The metronome will sound.

2. **Press the [▶/■] button.**

   A two-measure count sound will be produced before the song starts playing.

Adding Reverberation to the Sound (Reverb)

You can add a pleasant reverberation to the sounds you play from the keyboard, producing the impression that you are performing in a concert hall. This effect is called "Reverb."
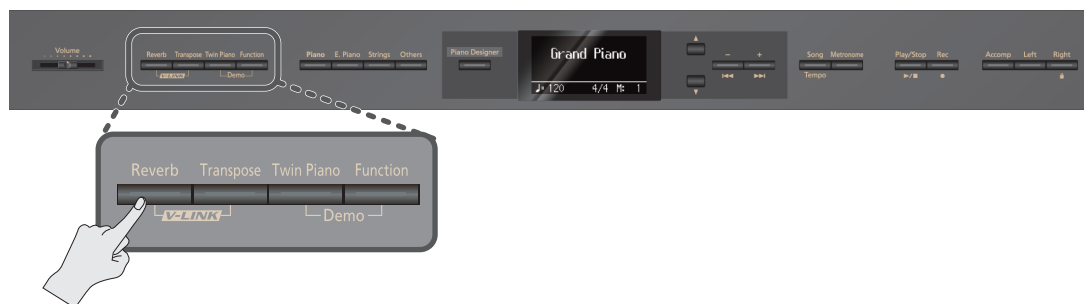
1. **Press the [Reverb] button.**

The [Reverb] button will light.

MEMO

If you press the [Reverb] button once again, the button will go out and the reverb effect will be eliminated.

Adjusting the Depth of the Reverb Effect
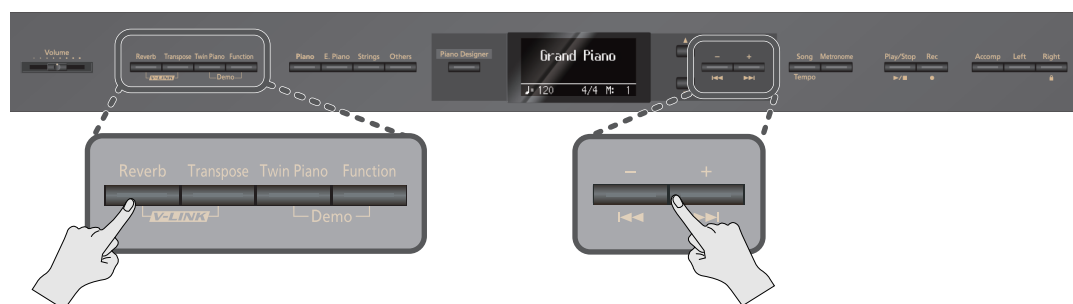
1. **While holding down the [Reverb] button, press the [-] or [+] button.**

The display will indicate the depth of the reverb effect values.

Reverb depth range	1–10

Higher values apply deeper reverb.

MEMO

The adjusted setting will return to its original values when you turn off the power. If you wish, you can have this setting be retained even while the power is turned off (p. 59).

* You can't specify the depth of the reverb effect independently for each sound. Reverb is applied at the same depth for each sound.

* The depth of the reverb effect for the song that's playing will not change.

* The reverb effect is not applied if Twin Piano mode (p. 28) is set to "individual."

What are Effects?

In addition to reverb, the LX-10F provides a wide variety of other "effects" that can modify the sound in various ways. An appropriate effect is selected for each different tone.

* Some tones do not have an effect.

Performing with Two layered Tones (Dual Play)

You can play two tones simultaneously from each note of the keyboard. This feature is called "Dual Play."

As an example, here's how to layer piano and strings tones.
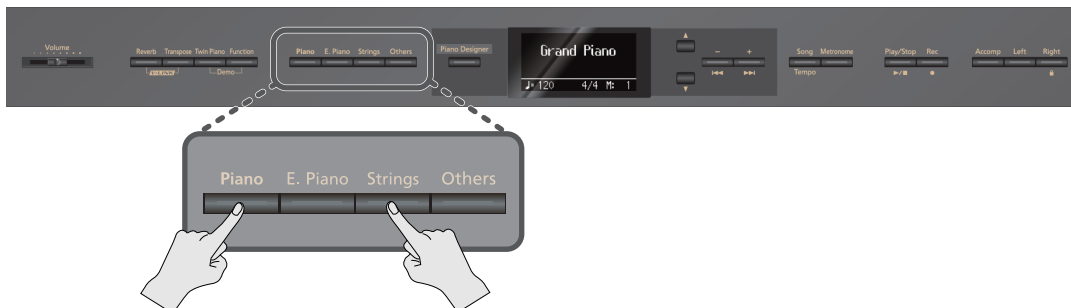
1. **Hold down the [Piano] button and press the [Strings] button.**

Both buttons will light.

When you play the keyboard, you'll hear both the piano and the strings tones.

About the tones

Tone name	Corresponding button	How to select tones
Tone 1	Left tone button	Press the [-] or [+] button.
Tone 2	Right tone button	Hold down the Tone button for Tone 2 (the rightmost of the lit Tone buttons), and press the [-] or [+] button.

MEMO
When you press any tone button, Dual play will be cancelled; you'll hear only the tone of the button you pressed.

MEMO
You can change the pitch of tone 2 in steps of an octave (p. 57).

MEMO
When you press a damper pedal while using Dual play, the effect will apply to both tone 1 and tone 2, but you may change this so that the effect applies to only one tone (p. 58).

MEMO
You can change the volume balance of the two tones (p. 56).

* Dual play is not available if Split Play or Twin Piano are turned on.

* For some combinations of sounds, the effect is not applied to tone 2, and this may affect how the tone sounds.

Dividing the Keyboard for Two-person Performance (Twin Piano)

You can divide the keyboard into left and right zones so that two people can play the same range of pitches, just as though there were two pianos.

This function is called "Twin Piano."

For example, you could use Twin Piano to allow a student to play along with their teacher.

1. **Press the [Twin Piano] button.**

The [Twin Piano] button will light.

When you turn Twin Piano on, the keyboard, the pedals, and the tone will change to the following settings.
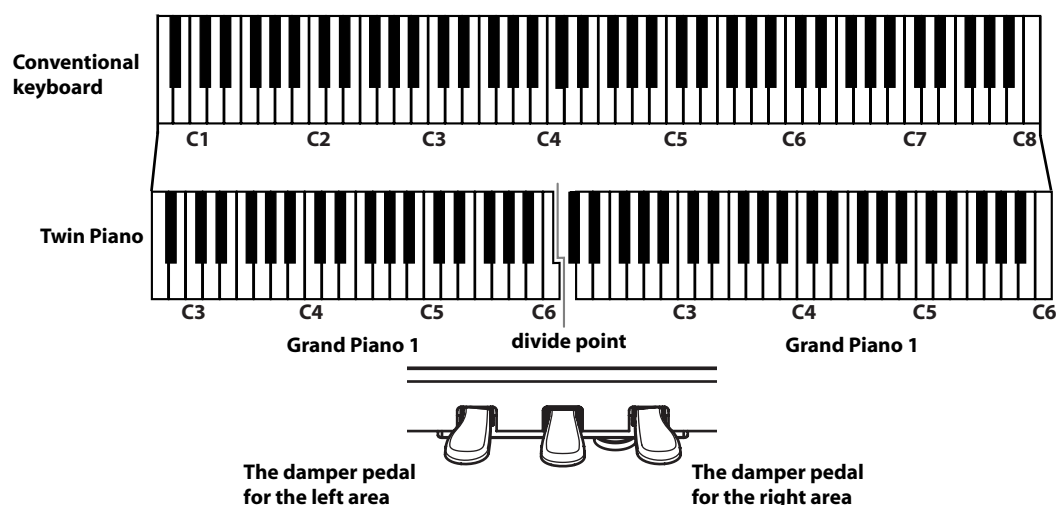
MEMO

When you press the [Twin Piano] button a number of times, the Twin Piano function will turn off and the [Twin Piano] button will go out.

* Since some effects (p. 25) will no longer be applied if Twin Piano is turned on, this may change the sound of the tone.

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Changing the Way in Which the Sound is Heard (Twin Piano Mode)
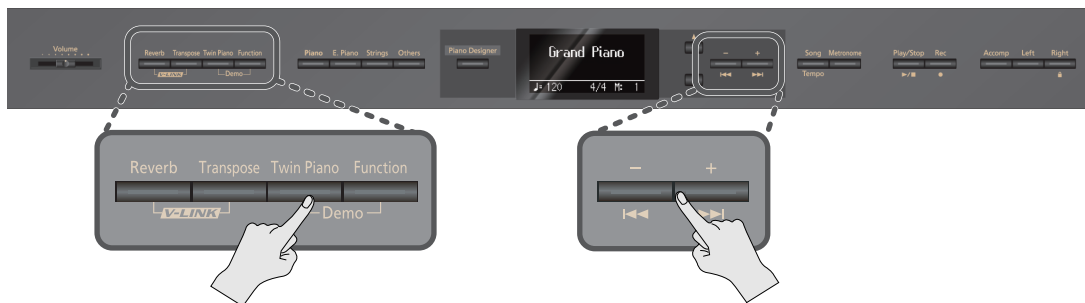
1.   Hold down the [Twin Piano] button and press the [-] or [+] button.

Setting	Description
Pair	The sound of the right-hand keyboard zone will be heard more loudly from the right speaker than from the left speaker. The sound of the left-hand keyboard zone will be heard more loudly from the left speaker than from the right speaker.
Individual	The sound of the right-hand keyboard zone will be heard only from the right speaker. The sound of the left-hand keyboard zone will be heard only from the left speaker. * The reverb effect will be turned off. * For some tones, the sound may not be split between left and right. * If you play in the left-hand keyboard zone, you won't hear sound from the headphones that are connected to the right Phones jack. Conversely, when you play in the right-hand keyboard zone, you won't hear sound from the left headphones.

MEMO

The settings you change will return to their original values when you turn off the power.

If you wish, you can have this setting be remembered even while the power is turned off (p. 59).

Playing Different Tones in the Left and Right Sides of the Keyboard (Split Play)

You can play different tones in the left and right sides of the keyboard, divided at a certain key.

This feature is called "Split Play," and the key at which the keyboard is divided is called the "Split Point."
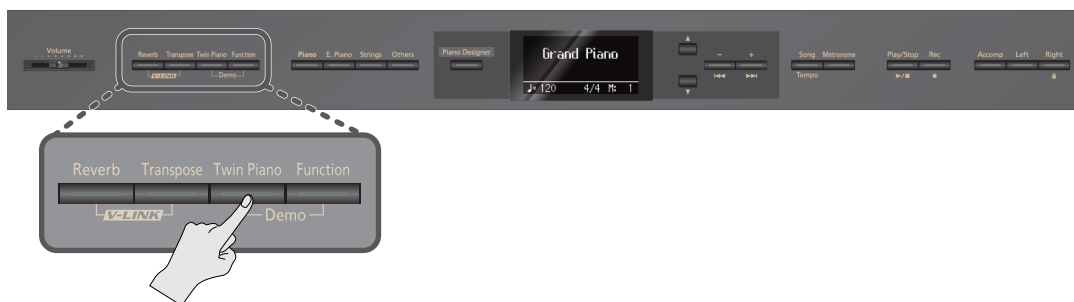
**1.	Press the [Twin Piano] button a number of times.**

The Split screen will appear.

Right-hand Tone

Split
001
R Grand Piano1
L A.Bass+Cymbl
♩= 108   4/4 M: 1

Left-hand Tone

When Split is turned on, the keyboard settings will be as follows.

Split Point (Power-up default: F♯3)

| Left-hand Tone | Right-hand Tone |

A0 B0 C1 D1 E1 F1 G1 A1 B1 C2 ... C3 C4 C5 B7 C8
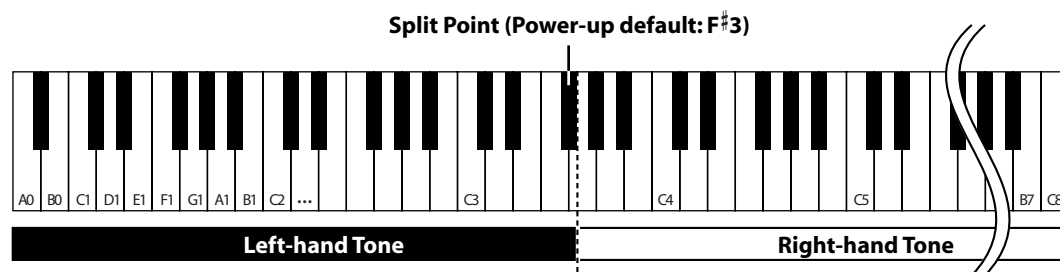
MEMO

Press the [Twin Piano] button a number of times to turn off Split play; the [Twin Piano] button will go out.

29

Changing the Tones of the Left and Right Zones

Changing the right-hand tone
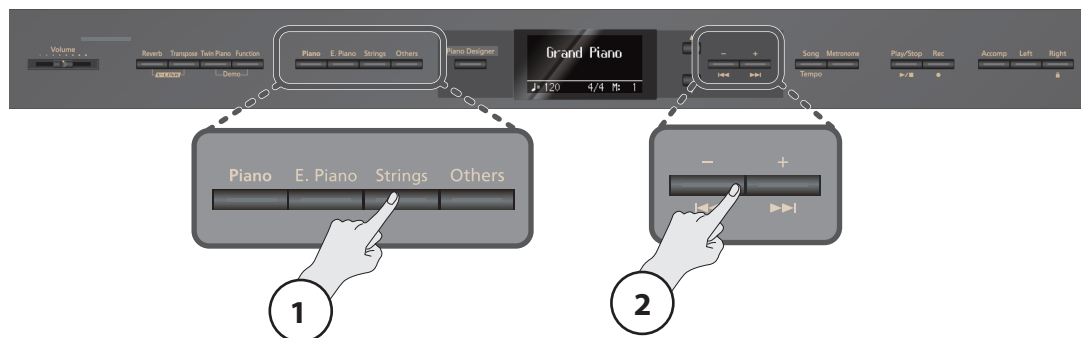
1. Press a tone button.

The number and name of tone currently selected for the right-hand zone are shown.

2. Press the [-] or [+] button.

A different tone is selected.
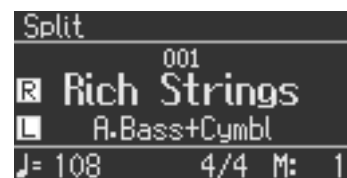
Changing the left-hand tone
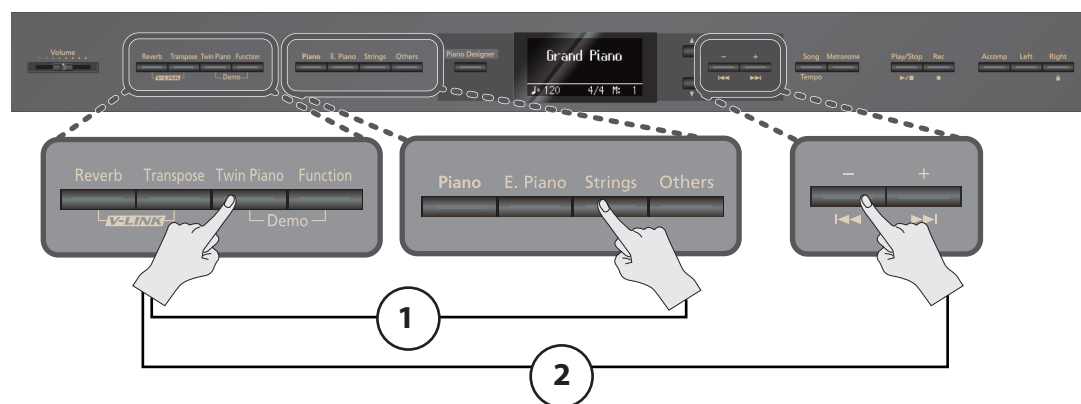
1. Hold down the [Twin Piano] button and press a tone button.

The number and name of the tone currently selected for the left-hand zone are shown.

2. While holding down the [Twin Piano] button, press the [-] or [+] button.

A different tone is selected.
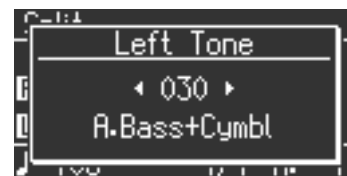
MEMO

You can change the pitch of the left-hand sounds in steps of an octave (p. 57).

Changing the Keyboard's Split Point

Range in which you can specify the split point (B1–B6)

A0   C1   B1 C2   C3   C4   C5   C6   B6 C7   C8

Split Point
Power-up default: F♯3
The Split Point belongs to the left-hand section of the keyboard
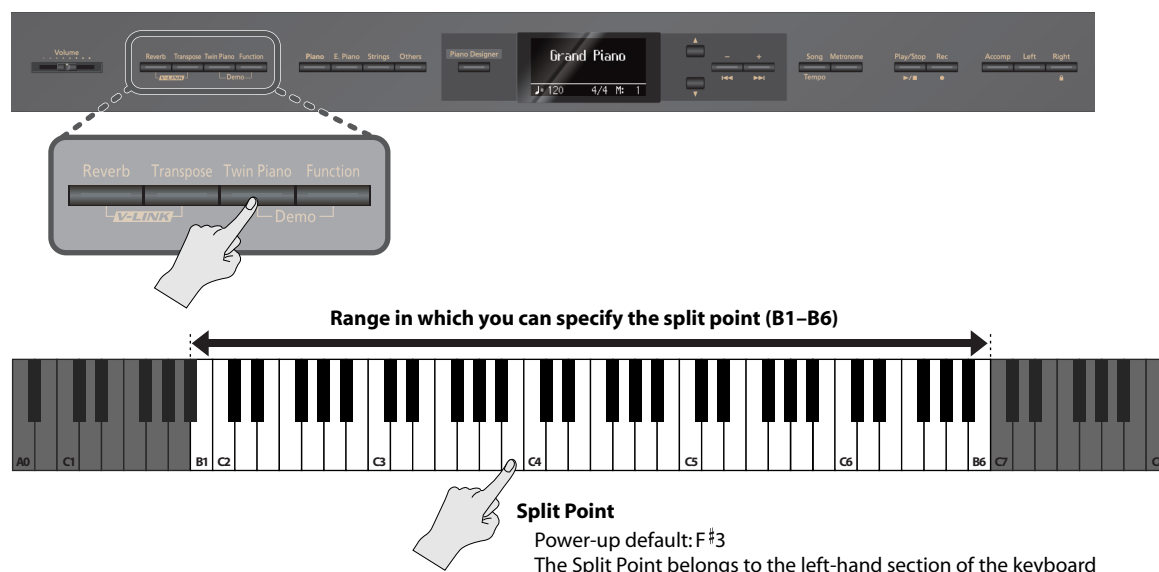
1. Hold down the [Twin Piano] button and press the key that you want to be the new split point.

The key you pressed becomes the new split point, and that key will be shown in the display.

When you release the [Twin Piano] button, the display will return to its previous indication.

Split Point
F#3
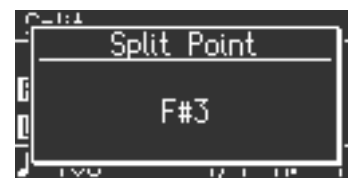
MEMO

The changed setting will revert to its original state when you turn off the power.

If you wish, you can have this setting be remembered even while the power is turned off (p. 59).

Transposing the Keyboard (Transpose)

"Transpose" means to shift the pitches produced by the keyboard.

The Transpose function makes it easy to do the following.

- The pitch of your accompaniment can be adjusted to a singer's vocal range without changing your fingering (i.e., without changing the keys you play).
- A song written in a difficult key with numerous sharps (♯) or flats (♭) can be performed in a key that's easier for you to play.
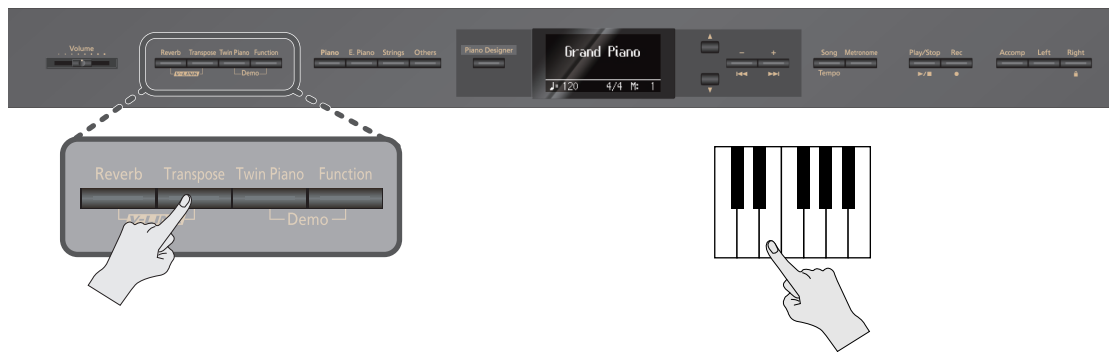
1. **Hold down the [Transpose] button and play the key that's the tonic of the key into which you want to transpose.**

The current transposition setting is shown while you hold down the [Transpose] button.

MEMO

You can also change the transposition setting by using the [-] or [+] buttons while holding down the [Transpose] button.
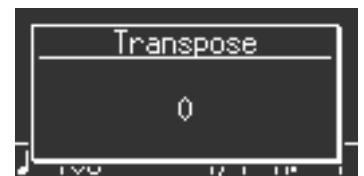
Transposition range	-6–0–5 (semitone units)

If a setting other than 0 is selected, the [Transpose] button will be lit.

MEMO

To return to the original value (0), hold down the [Transpose] button and press both of the [-] or [+] buttons simultaneously.

MEMO

You can use the [Transpose] button to turn the Transpose function on/off (if the transposition setting is other than "0").

MEMO

The LX-10F allows you to transpose both the keyboard and the song, or just the keyboard, or just the song (p. 56). With the factory settings, the keyboard and the song will be transposed together. If the Transpose Mode (p. 56) is set to "Song" (the song playback), the Transpose function will not affect the pitches of the keyboard.

Example: Use C major fingering to play a song written in E major

1. **Hold down the [Transpose] button and press the E note (the tonic note for the key of E major).**

Counting from C as a reference point, the tonic note for the key of E major is four chromatic steps higher, so the display indicates "+4."
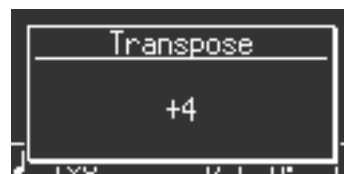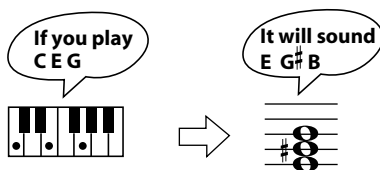
MEMO

The transposition value will return to "0" when you switch songs or turn off the power.

Disabling the Buttons (Panel Lock)

The Panel Lock setting lets you disable all of the LX-10F's buttons. In this state, the settings will not change even if you inadvertently press a button while performing.

1. **Hold down the [Right] button for a while.**

Panel Lock will be activated.

The upper right of the display will show a "padlock" symbol, and all button operations will be disabled.

MEMO

To cancel Panel Lock, once again hold down the [Right] button for a while.

Panel Lock will also be cancelled when you turn off the power.
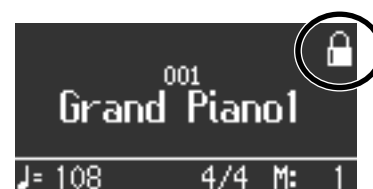
* If you activate Panel Lock while a song is playing or being recorded, playback or recording will stop.

* You can't activate Panel Lock while in Function mode (p. 53) or while in the Demo Song screen.

Adjusting the Piano Sound to Your Taste (Piano Designer)

What is Piano Designer?

The LX-10F lets you adjust the piano sound to your taste by modifying various aspects of a grand piano's sound, such as its strings, pedal, and keyboard resonances, as well as the keyboard touch sensitivity.
This function is called "Piano Designer."

Hammer Noise

String Resonance

Key Touch

Temperament

Adjusting the piano sound to your taste
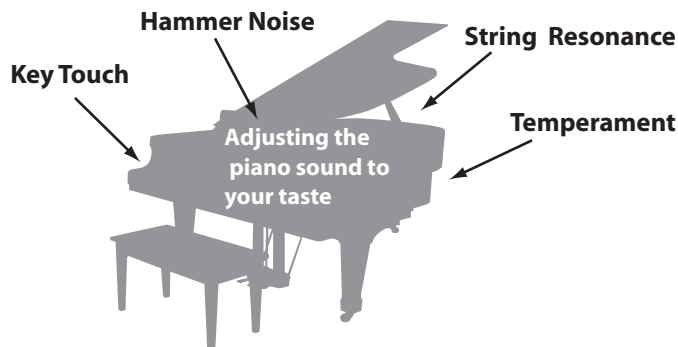
Using Piano Designer
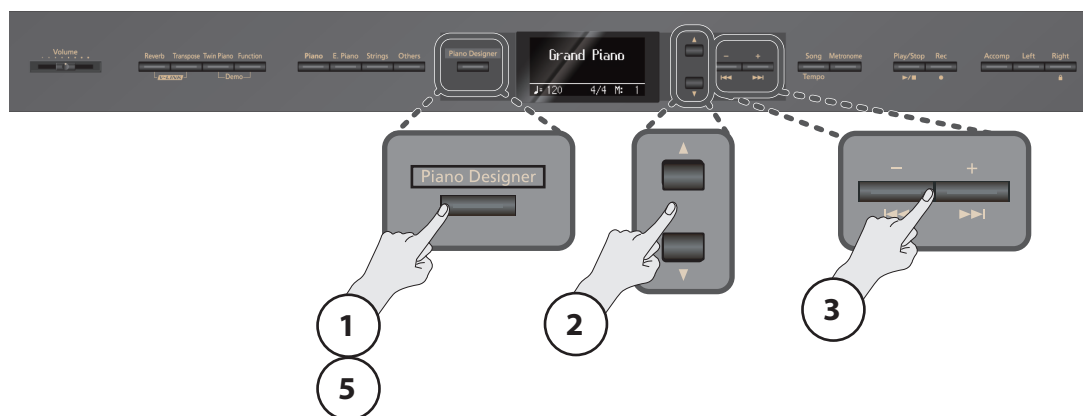
1. **Press the [Piano Designer] button.**

   The [Piano Designer] button will light, and the Piano Designer screen will appear.
   The "Grand Piano 1" tone will be selected.

2. **Press the [▲] or [▼] button to select the item that you want to edit (p. 35).**

3. **Use the [-] or [+] buttons to adjust the value.**

4. **Repeat steps 2–3 to adjust the piano sound to your taste.**

5. **Press the [Piano Designer] button to return to the tone select screen.**

   MEMO
   The settings you've adjusted will return to their original values when you turn off the power.
   If desired, you can have these settings be remembered even while the power is turned off (p. 59).

Parameter

Value

Piano Designer Settings

Parameter	Value	Description
Lid	0–6	Adjusts the extent to which the lid of the grand piano is open. The sound will become more mellow as you close the lid of the piano in the screen. The sound will become brighter as you open the lid of the piano in the screen.
Master Tuning	415.3–440.0–466.2 Hz	This adjusts the LX-10F's standard pitch (the pitch of the middle A note).
Damper Resonance	Off, 1–10	This adjusts the damper resonance of the acoustic piano sound (the sympathetic vibration produced in strings other than those actually played when you press the damper pedal). Higher settings will make the sympathetic vibration louder.
Key Touch	Fixed, Super Light, Light, Medium, Heavy, Super Heavy	Adjusts the touch sensitivity of the keyboard. If you select "Fixed," notes will sound at a uniform volume regardless of how strongly you play the keyboard.
Key Touch Offset	-10–0–9	This lets you make further detailed adjustments to the keyboard sensitivity as appropriate for the strength of your fingers. Higher settings will produce a heavier playing feel.
Hammer Noise	-2–0–2	This adjusts the sound produced when the hammer of an acoustic piano strikes the string. Higher settings will produce a louder sound of the hammer striking the string.
Hammer Response	Off, 1–10	This adjusts the time from when you play a key until the piano sound is heard. Higher settings will produce slower response.
Duplex Scale	Off, 1–10	This adjusts the sympathetic vibrations of an acoustic piano's Duplex Scale (p. 36). Higher settings will make the sympathetic vibration louder.
String Resonance	Off, 1–10	This adjusts the string resonance of the acoustic piano sound (the sympathetic vibrations of strings for previously played notes that occur when you play another note). Higher settings will make the sympathetic vibration louder.
Key Off Resonance	Off, 1–10	This adjusts sympathetic vibrations such as an acoustic piano's key-off sound (the subtle sound that occurs when you release a note). Higher settings will make the sympathetic vibration louder.
Cabinet Resonance	Off, 1–10	Adjusts the body resonance of the grand piano itself. Higher values will produce a larger body resonance.
Damper Noise	Off, 1–10	This adjusts the damper noise of the acoustic piano sound (the sound of the damper releasing the strings when you press the damper pedal). * No damper noise will be heard if Damper Resonance is set to "Off."
Temperament	Equal, Just Major, Just Minor, Arabic, Kirnberger, Meantone, Pythagorean, Werckmeister	You can play classical styles such as Baroque using historic temperaments (tuning methods). Most modern songs are composed for and played in equal temperament, the most common tuning in use today. But at one time, there were a wide variety of other tuning systems in existence. By playing in the temperament that was in use when a composition was created, you can experience the sonorities of chords originally intended for that song. For details, refer to "Temperaments" (p. 36).
Temperament Key	C–B	When playing with tuning other than equal temperament, you need to specify the temperament key for tuning the song to be performed (that is, the note that corresponds to C for a major key or to A for a minor key). If you choose an equal temperament, there's no need to select a temperament key.
Stretch Tuning	Off, Preset, User (User: -50–0–+50)	This lets you specify the amount of "stretch tuning," a tuning method specifically for pianos, in which the high range is tuned slightly sharper, and the low range is tuned slightly flatter. If you select "Preset," a standard tuning curve created for the LX-10F will be used. If you select "User," you'll be able to edit the stretched tuning yourself. Play the key whose pitch you want to adjust, then use the [-] or [+] buttons to adjust its pitch.
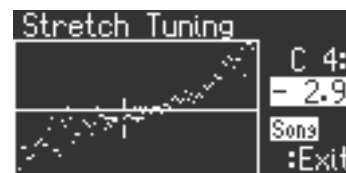
Temperaments

Temperament	Qualities
Equal	In this tuning, each octave is divided into twelve equal steps. Every interval produces about the same amount of slight dissonance.
Just Major	This tuning eliminates ambiguities in the fifths and thirds. It is unsuited to playing melodies and cannot be transposed, but is capable of beautiful sonorities.
Just Minor	The Just tunings differ from major and minor keys. You can get the same effect with the minor scale as with the major scale.
Arabic	This tuning is suitable for the music of Arabia.
Kirnberger	This is an improvement of the Meantone and Just tunings that provides a high degree of freedom of modulation. Performances are possible in all keys (III).
Meantone	This scale makes some compromises in just intonation, enabling transposition to other keys.
Pythagorean	This tuning, devised by the philosopher Pythagoras, eliminates dissonance in fourths and fifths. Dissonance is produced by third-interval chords, but melodies are euphonious.
Werckmeister	This temperament combines the Meantone and Pythagorean tunings. Performances are possible in all keys (first technique, III).

What is the Duplex Scale?

The Duplex Scale is a system of sympathetically vibrating strings sometimes included in grand pianos.

These sympathetically vibrating strings are not struck directly with hammers, but sound by vibrating in sympathy with the vibrations of other strings. By resonating with the overtones, these strings add richness and brilliance to the sound. These sympathetic strings are added only to the high register above approximately C4. Since they do not have a damper (a mechanism that stops them from sounding), they will continue sounding even after you play a note and then release it to stop the sound of the string that was actually struck.

Listening to Songs

Playing Back Songs

Here's how to listen to the built-in songs. The LX-10F provides 74 built-in piano songs.

MEMO   You can also play back songs from a separately sold floppy disk drive, CD drive, or USB memory (p. 62).
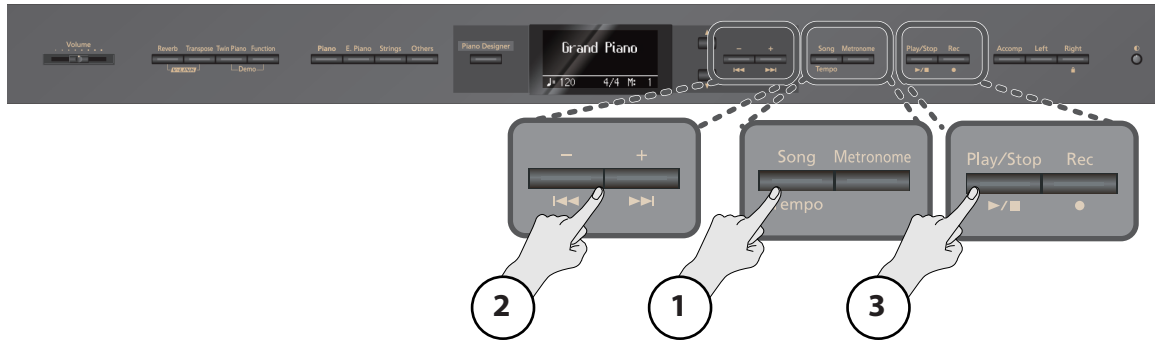
1. **Press the [Song] (Tempo) button a number of times.**

   The [Song] (Tempo) button will light red.

2. **Press the [-] or [+] button to select a song.**

   The display will indicate "Preset Song."

3. **Press the [▶/■] button.**

   When the song has played to its end, playback will stop.

   To pause the playback, press the [▶/■] button once again.

   The next time you press the [▶/■] button, playback will resume from where you paused.
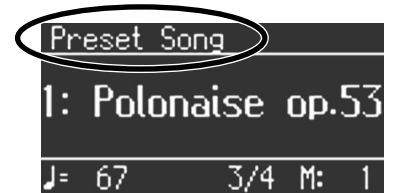
Fast-forward and rewind

Operation	Button
To beginning of next song	Press the [▶▶❘] button.
To beginning of current song	Press the [❘◀◀] button.
Fast-forward the song	Hold down the [▶▶❘] button while the song is playing.
Rewind the song	Hold down the [❘◀◀] button while the song is playing.

About the display

Song number   Media   Song name

"PU" is shown as the measure number if the song starts on a weak beat.

Tempo   Time signature   Measure number
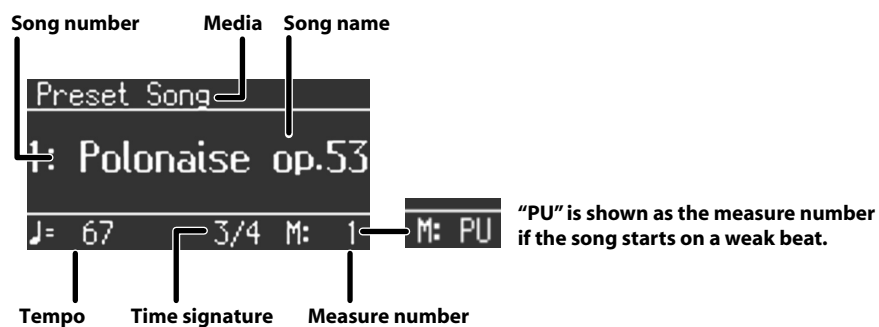
MEMO   For details on the names of the internal songs, refer to "List of internal songs" (p. 78).

Playing Parts Individually

The parts of an internal song can be selected and played individually. This allows you to practice playing the left or right-hand part of a song while listening to the other hand played automatically.

Performance parts and tracks

Each part is assigned to the track buttons as shown in the illustration.

Track button

Accomp　Left　Right

Muting

You can "mute" a specific part so that it will not be heard.

* The [Accomp] button will not light if you've selected a song that does not contain an accompaniment.

Accompaniment part

Left-hand part

Right-hand part

2
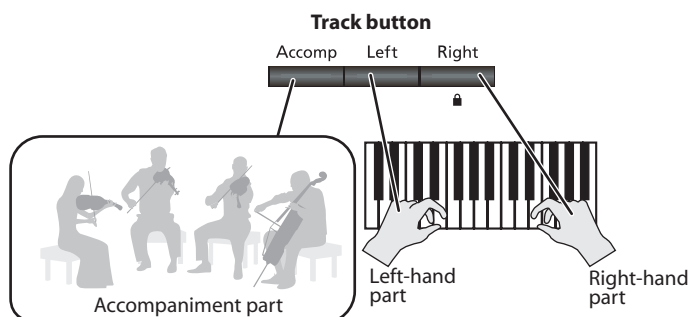
1. **Play back a song (p. 37).**

2. **Press the track button for the part that you don't want to be played.**

   The light for the button you pressed will go out, and the selected part will not be heard.

   When you press the track button once again so it's lit, the part will be heard again.

   (MEMO) You can change the volume of the muted part (p. 56).

   (MEMO) By playing back a song with the accompaniment part muted, you can skip the introduction.

   (MEMO) The mute setting will be cancelled when you switch songs.

Practicing the right-hand part by itself

1. **Press the [Right] button.**

   The button will go out.

2. **Press the [▶/■] button.**

   The LX-10F will play the left-hand part and accompaniment part, allowing you to practice the right-hand part separately.

   LX-10F will play

   Accomp　Left　Right　go out

   Accompaniment part

   Left-hand part

   Right-hand part
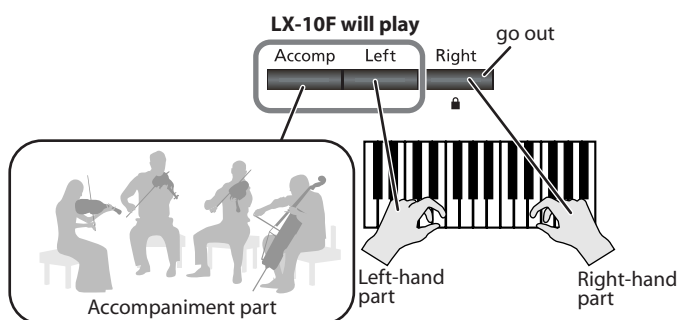
Playing All Songs Consecutively (All Songs Play)

You can have the LX-10F play all internal songs (or all songs in internal memory, or all songs in USB memory) repeatedly in succession.

This function is called "All Songs Play."
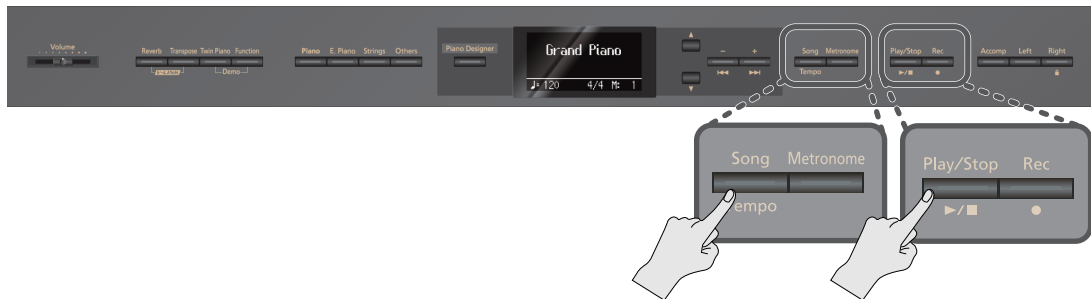
1. **Hold down the [Song] (Tempo) button and press the [▶/■] button.**

   All Songs Play will be selected, and the screen will show an icon to indicate this.

   * The All Songs Play function will turn off when you stop playback or turn off the power.

Adjusting the Volume of the Song Playback

You can adjust the volume at which the song plays.

This is helpful when you want to adjust the volume balance between your keyboard playing and the song playback; for example, when you're practicing along with a song.
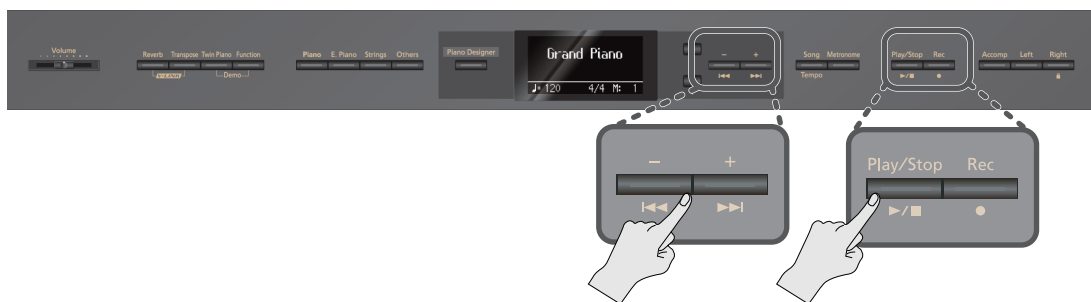
1. **Hold down the [▶/■] button and press the [-] or [+] button.**

   The volume of song playback is shown while you hold down the [▶/■] button.

Song volume range	0–10

   * The song playback volume is reset to "10" when you turn off the power.

Changing the Song's Tempo

You can change the tempo at which a song plays back.
When you're practicing along with an internal song, this allows you to slow down the tempo of a difficult song in order to play it more comfortably.
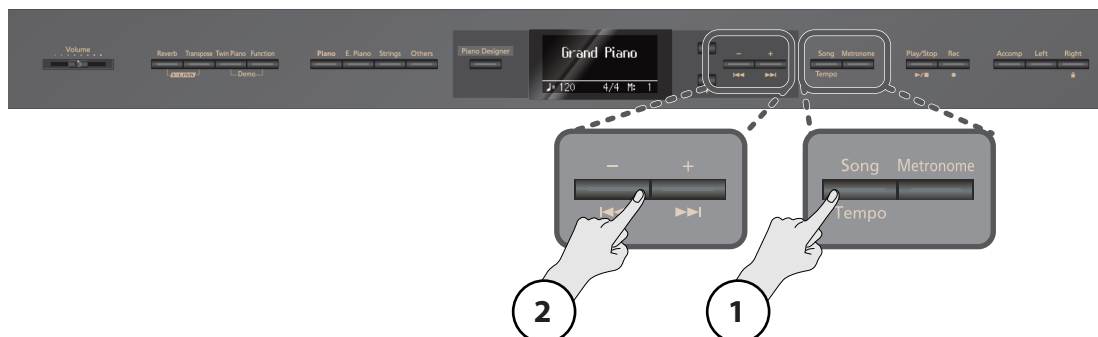
1. **Press the [Song] (Tempo) button a number of times.**
   The [Song] (Tempo) button will light green, and the display will indicate "Tempo."

2. **Press the [-] or [+] button.**
   The tempo will change.

   MEMO
   If desired, you can make the song play back at a fixed tempo without allowing its tempo to change (p. 57).
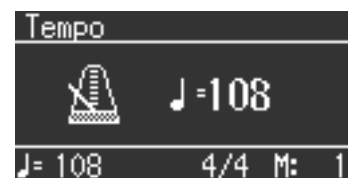
Changing the Pitch of the Song (Playback Transpose)

You can change the key of a song's playback. This is called the "Playback Transpose" function.
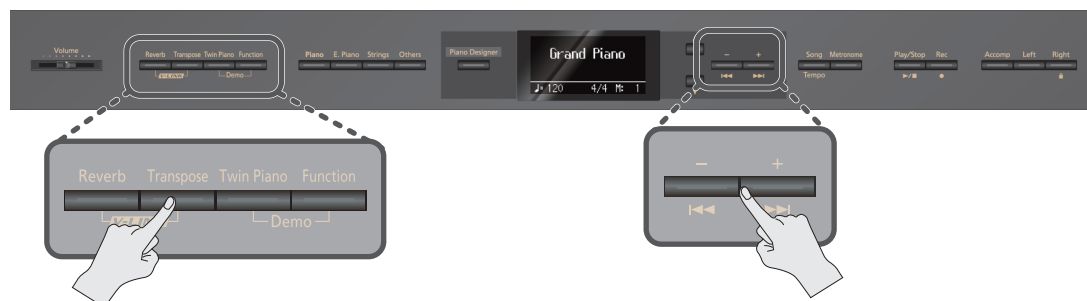
1. **Play back the song (p. 37).**

2. **Hold down the [Transpose] button and press the [-] or [+] button.**
   The song's key will change in semitone steps.

Transposition range	-6–0–5 (semitone units)

   While you hold down the [Transpose] button, the Playback Transpose setting is displayed.
   If the value is anything other than 0, the [Transpose] button will be lit.

   The transposition setting will return to "0" when you select a different song.

   MEMO
   If you hold down the [Transpose] button and press both of the [-] [+] buttons simultaneously, the setting will return to its original value (0).

   MEMO
   You can use the [Transpose] button to turn the Playback Transpose function on/off (if the transposition setting is other than "0").

   MEMO
   The LX-10F allows you to transpose both the keyboard and the song, or just the keyboard, or just the song (p. 57). With the factory settings, the keyboard and the song will be transposed together.
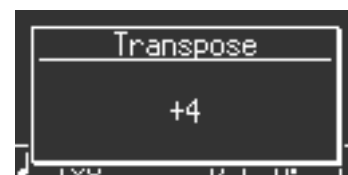
   * The Playback Transpose function will not apply if "Transpose Mode" (p. 57) is set to "Keyboard."

Recording Your Performance

Recording Your Keyboard Performance

It's easy to record your own performances.

You can play back a recorded performance to check your playing, or perform along with a recorded performance.

Getting ready to record
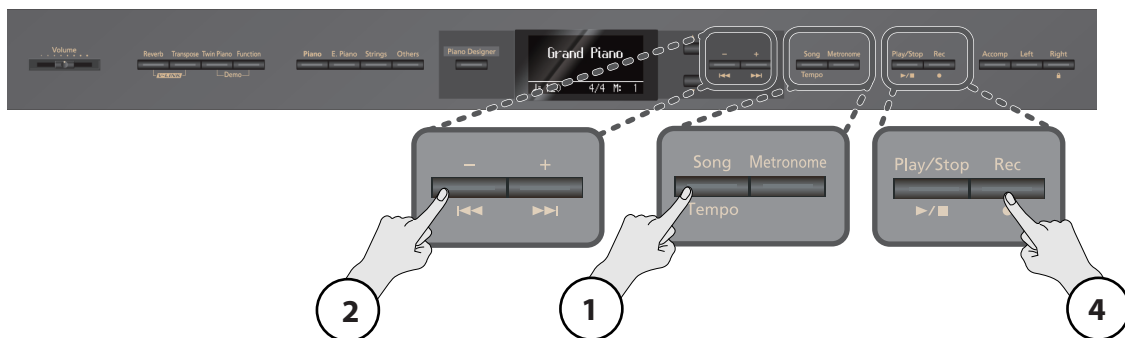
1. **Press the [Song] (Tempo) button a number of times.**

   The [Song] (Tempo) button will light red, and the display will indicate "Internal Song."

2. **Press the [-] button a number of times.**

   The display will indicate "New Song."

3. **Select the tone that you want to use for performing (p. 21).**

   If desired, sound the metronome (p. 22).

4. **Press the [●] button.**

   The [●] button will light, the [▶/■] button will blink, and the LX-10F will enter recording-standby mode.

   If you decide not to record, press the [●] button once again.
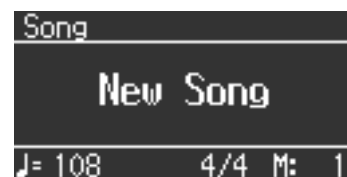
Starting/stopping recording

1. **Press the [▶/■] button or play the keyboard.**

   A two-measure count will be heard (the measure number will be shown as "-2" then "-1" in the lower right of the display), and then recording will start.

   When recording starts, the [●] button and [▶/■] button will light.

   MEMO A count sound will not sound if you initiated recording by playing the keyboard.

2. **Press the [▶/■] button.**

   Recording will stop.

Listening to the recorded performance
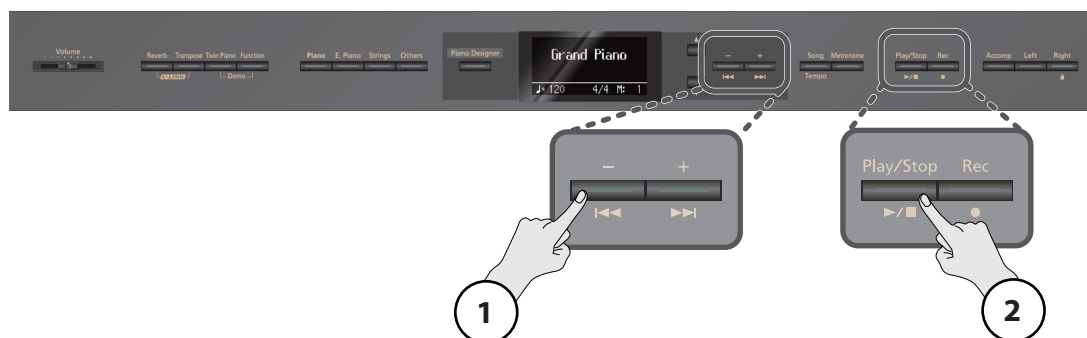
1. **Press the [|◀◀] button.**

   You will return to the beginning of the recorded performance.

2. **Press the [▶/■] button.**

   The recorded performance will play.

   Playback will stop when you press the [▶/■] button once again.

   MEMO

   If you press the [▶/■] button while the metronome is sounding, there will be a two-measure count (count-in) before playback begins.

   NOTE

   The recorded performance will be lost when you turn off the power. If you want to keep your recorded performance, you must save it to internal memory (p. 44) or to USB memory (p. 64).

   NOTE

   You won't be able to play back another song if there is an unsaved performance. You'll need to either erase (p. 43) or save (p. 44) your performance before playing another song.

If the following indication appears

The confirmation message shown at right will appear if you attempt to select another song while the previously recorded song has not yet been saved.

Please save your recorded performance to internal memory or USB memory (p. 64).

• If you decide to erase your recorded performance, press the [●] button.

• If you don't want to erase your recorded performance, press the [▶/■] button.
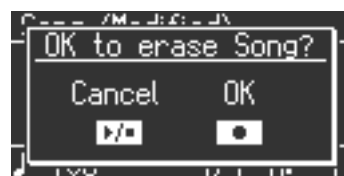
Erasing Your Recorded Performance

Here's how to erase your recorded performance.
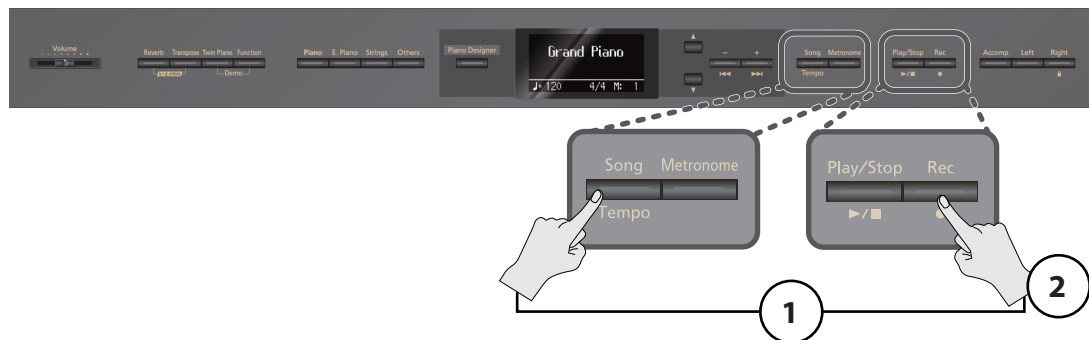
1. **Hold down the [Song] (Tempo) button and press the [●] button.**

   A confirmation message will appear.

   If you decide not to erase the performance, press the [►/■] button.

2. **Press the [●] button.**

   The recorded performance will be erased.

   MEMO

   If you hold down the [●] button while pressing a track button, the performance of only that track will be erased.

   NOTE

   A recorded performance will be erased when you turn off the power.
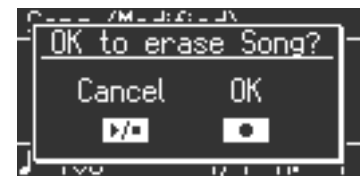
Saving Your Recorded Performance

If you've recorded a performance, your recorded performance will be lost if you turn off the LX-10F's power before saving the song. If you want to keep your recorded performance, it is convenient to save it in internal memory. Songs saved in internal memory will not be lost when you turn off the power.

MEMO

You can also save your recorded performances on USB memory (sold separately) or on a floppy disk (sold separately) (p. 64).
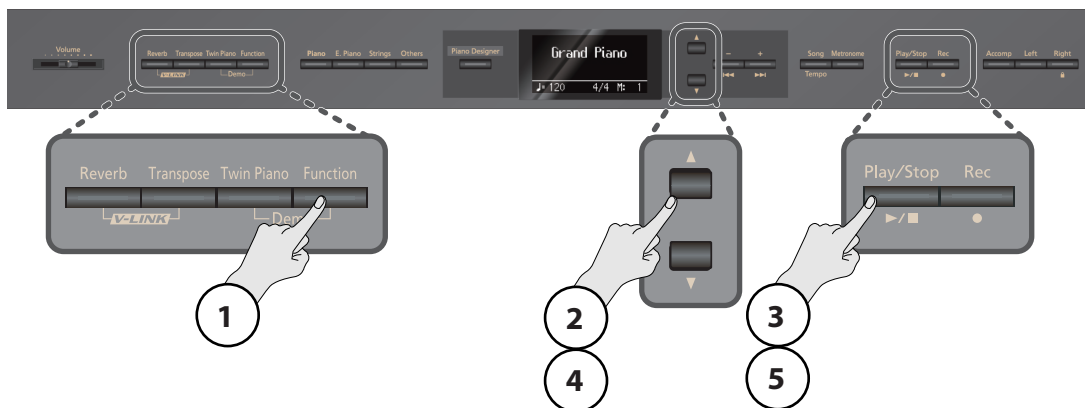
Getting ready to save

1. **Press the [Function] button.**

   You'll enter Function mode (p. 53).

   ```
   Functions
   Key Touch
   File Menu
   Brilliance
   Song :Exit  ▶/■ :Enter
   ```

2. **Press the [▲] or [▼] button to choose "File Menu."**

   ```
   Functions
   Key Touch
   File Menu
   Brilliance
   Song :Exit  ▶/■ :Enter
   ```

3. **Press the [▶/■] button to go to the "File Menu."**

4. **Press the [▲] or [▼] button to choose "Save Song."**

   ```
   File Menu
   Save Song
   Copy Song
   Delete Song
   Song :Exit  ▶/■ :Enter
   ```

5. **Press the [▶/■] button.**

   A screen will appear, allowing you to edit the song name.

   ```
   Rename Song
   Aa0!        INS   DEL
   New Song
   Song :Exit  ▶/■ :Next
   ```

Editing the song name

Switches the type of character
• Letters
• Symbols
• Numerals

Inserts a character

Deletes a character

Change the character

Select the character to change
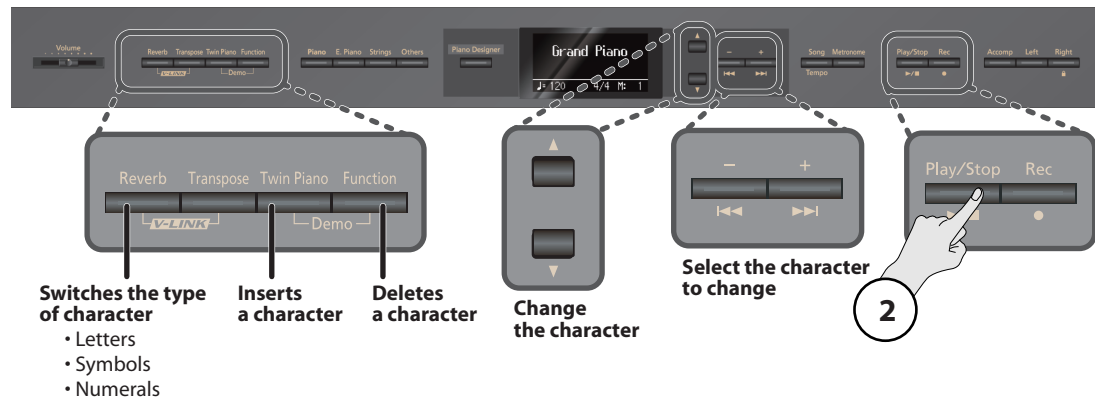
1. Use the buttons shown in the illustration above to edit the song name.

2. Press the [▶/■] button to finalize the song name.

A screen will appear, allowing you to select the save destination for the song.

Rename Song
Aa0!   INS   DEL
New Song
Song :Exit   ▶/■ :Next

Selecting the save destination for the song
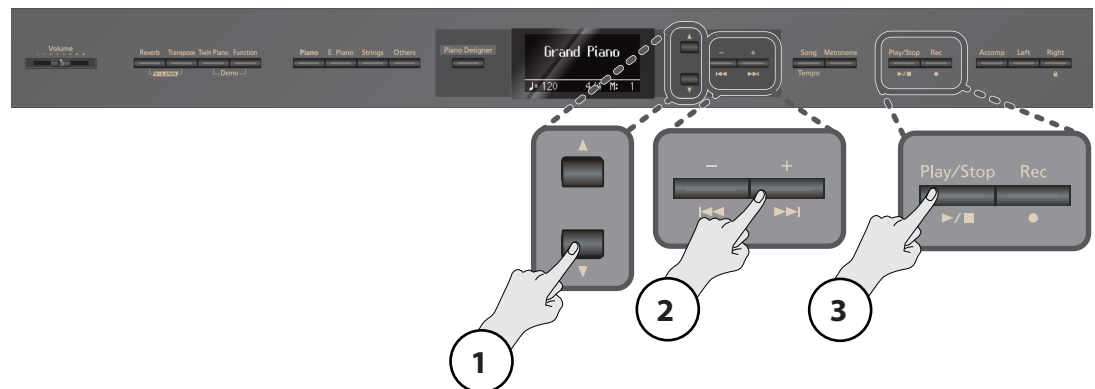
1. Press the [▼] button.

2. Press the [-] or [+] button to select the save destination.

No song has been saved in song numbers shown as "Empty" in the song name column.

Choose a song number in which no song has been saved.

If you want to save your song by overwriting an existing song you no longer need, select the song number of that unwanted song.

Save Song
◀▶ Internal Memory
   1:(Empty)
Song :Exit   ▶/■ :Execute

Song number   Song name

3. Press the [▶/■] button.

The song will be saved.

NOTE
Never turn off the power while the screen indicates "Executing..."

* You can't select another song if the recorded performance has not yet been saved. Either press the [●] button to erase your recorded performance, or press the [▶/■] button to save it (p. 42).

45

Deleting a Saved Song

Here's how to delete a song that you saved to internal memory.

(MEMO) If you want to delete all the songs that are saved in internal memory, initialize the memory (p. 61).

(MEMO) You can also delete songs from USB memory (sold separately) or a floppy disk (sold separately) (p. 64).
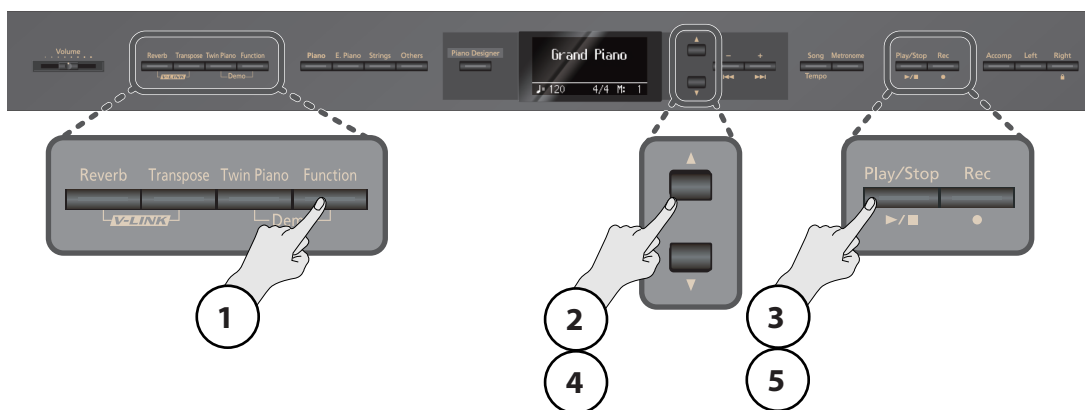
Getting ready to delete

1. **Press the [Function] button.**

You'll enter Function mode (p. 53).

```
Functions
Key Touch
File Menu
Brilliance
Song:Exit  ▶/■:Enter
```

2. **Press the [▲] or [▼] button to choose "File Menu."**

```
Functions
Key Touch
File Menu
Brilliance
Song:Exit  ▶/■:Enter
```
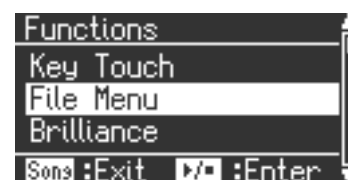
3. **Press the [▶/■] button to go to the "File Menu."**

4. **Press the [▲] or [▼] button to select "Delete Song."**

```
File Menu
Save Song
Copy Song
Delete Song
Song:Exit  ▶/■:Enter
```

5. **Press the [▶/■] button.**

A screen will appear, allowing you to choose the song to be deleted.
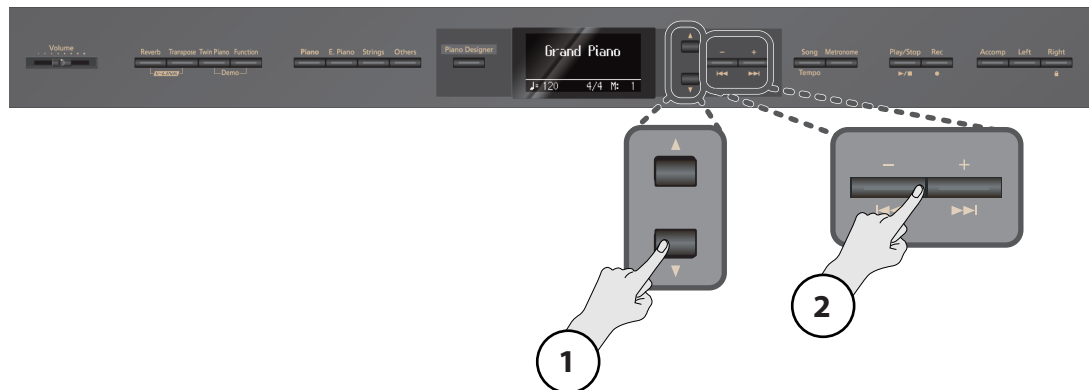
```
Delete Song
◀▶Internal Memory
  1:My Song

Song:Exit  ▶/■:Execute
```

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Choosing the song to delete

1. **Press the [▼] button.**

2. **Press the [-] or [+] button to select the song that you want to delete.**

```
Delete Song
  Internal Memory
◂▸ 1:My Song

Song :Exit   ▶/■ :Execute
```
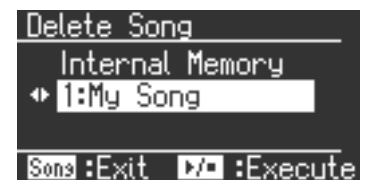
Deleting the song

1. **Press the [▶/■] button.**
   A confirmation message will appear.

2. **Press the [●] button.**
   The selected song will be deleted.

   If you decide not to delete the song, press the [▶/■] button.

   NOTE
   Never turn off the power while the screen indicates "Executing..."

```
OK to delete file?

  Cancel      OK
   ▶/■          ●
```

Advanced Recording Methods

Recording Each Hand Separately

You can separately record your left-hand performance to the [Left] button and your right-hand performance to the [Right] button. You can also separately re-record each hand afterward.

Getting ready to record
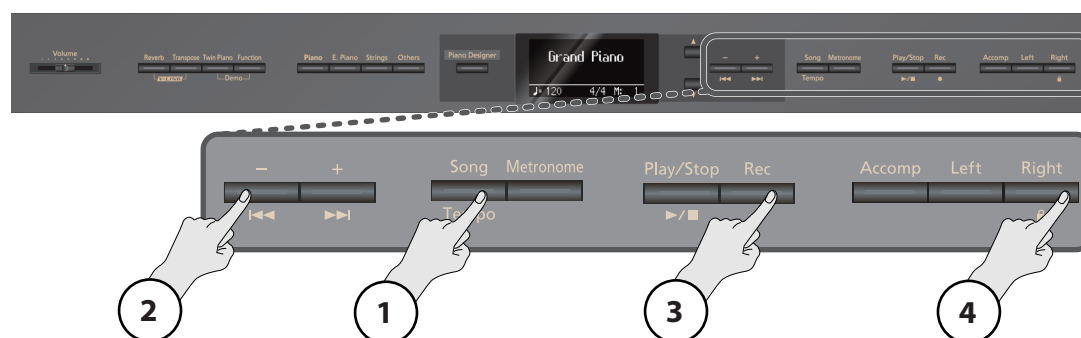
1. **Press the [Song] (Tempo) button a number of times.**
   The [Song] (Tempo) button will light red, and the display will indicate "Internal Song."

2. **Press the [-] button a number of times.**
   The display will indicate "New Song."

3. **Press the [●] button.**
   The [●] button will light, the [▶/■] button and the button of the track to be recorded will blink, and the LX-10F will enter recording-standby mode.
   If you decide not to record, press the [●] button once again.

4. **Press the button for any track that you don't want to record, so it's not lit.**

   MEMO
   Your performance can be recorded separately to the relevant track buttons.

Recorded performances and the track buttons

The performances you record are assigned to the track buttons as follows.

Conventional performance (using the entire keyboard to play a single tone), Dual play

Track button	Recorded performance
Record with only a single button specified	Your performance will be recorded on the specified track.
Record with multiple buttons specified	Your performance will be recorded on only one track The priority order for recording will be: [Right] button → [Left] button → [Accomp] button.

Twin Piano (p. 27), Split Play (p. 29)

Track button	Recorded performance	
	Twin Piano	Split Play
[Right] button	Right	Right-hand tone
[Left] button	Left	Left-hand tone

Recording and stopping
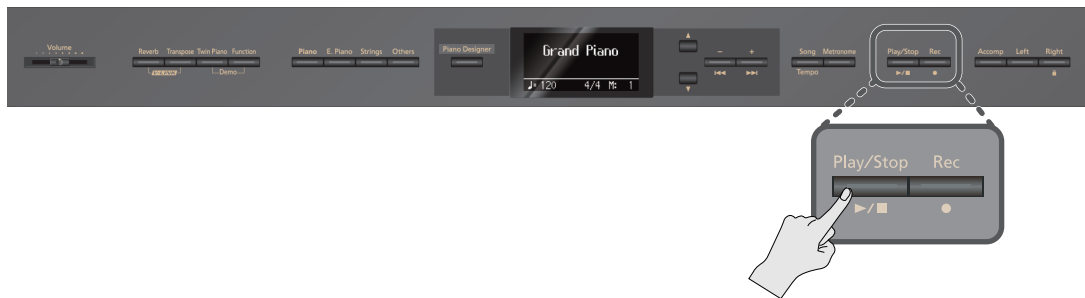
1. **Press the [▶/■] button.**

   You'll hear a two-measure count, and then recording will begin.

   Alternatively, you can start recording by playing the keyboard instead of pressing the [▶/■] button. In this case, there will be no count-in.

   When recording begins, the [●] button and [▶/■] button will light.

   MEMO During the count, "-2" then "-1" will be shown as the measure number in the lower right of the screen.

2. **To stop recording, press the [▶/■] button.**

Additional recording
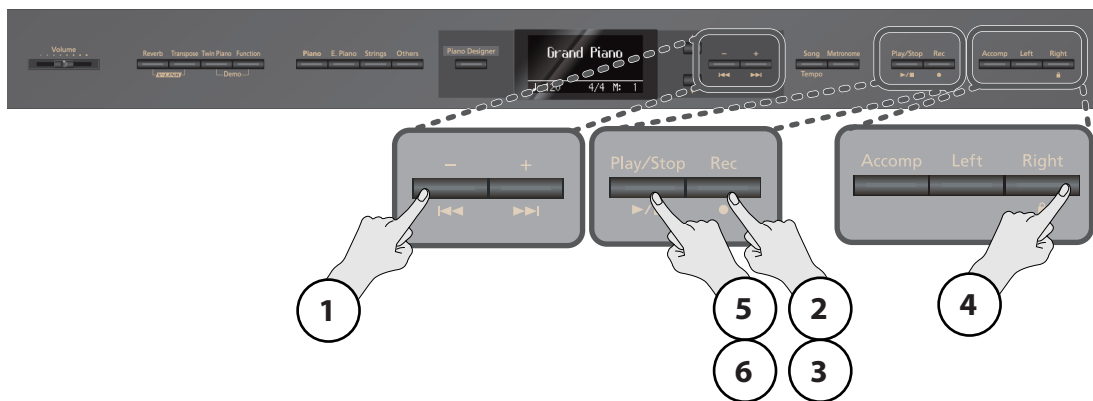
1. **Press the [◄◄] button.**

   You'll return to the beginning of the recorded performance.

2. **Press the [●] button.**

   If you want to erase the previously recorded performance and re-record a new performance, press the [▶/■] button.
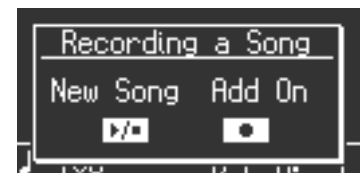
3. **If you want to record onto a different track, press the [●] button.**

4. **Press the button of the track that you want to record, so it's blinking.**

   The [●] button will light, the [▶/■] button will blink, and the LX-10F will enter recording-standby mode.
   If you decide not to record, press the [●] button once again.

   NOTE If you select a previously recorded track for recording, your new performance will be overwritten onto that track, erasing the previously recorded performance.

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5. **Press the [▶/■] button.**

You'll hear a two-measure count, and then recording will begin.

Alternatively, you can start recording by playing the keyboard instead of pressing the [▶/■] button. In this case, there will be no count-in.

When recording begins, the [●] button and [▶/■] button will light.

MEMO

During the count, "-2" then "-1" will be shown as the measure number in the lower right of the screen.

* If you record additional material without erasing the previously recorded performance, the song's tempo and time signature will remain as they were when first recorded.

6. **To stop recording, press the [▶/■] button.**

When you re-record

If you re-record from the beginning, the previously recorded performance will be erased as the new recording proceeds.

If you want to record an entire performance, erase the previously recorded performance first (p. 43).
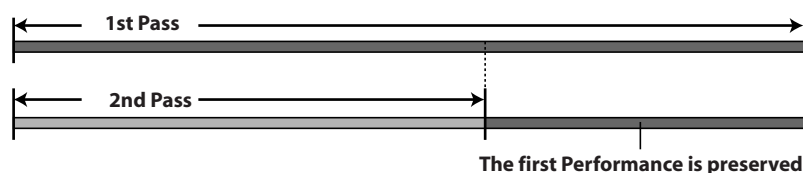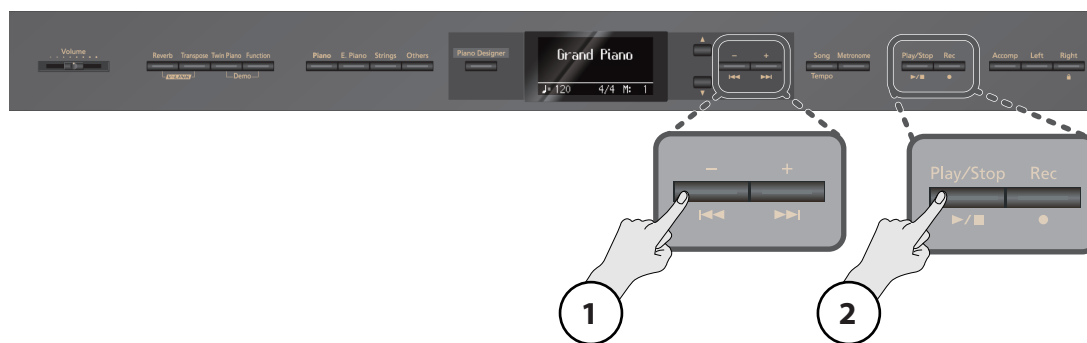
1st Pass

2nd Pass

The first Performance is preserved

Listening to the recorded performance

1. **Press the [|◄◄] button.**

You'll return to the beginning of the recorded performance.

2. **Press the [▶/■] button.**

The recorded performance will play back.

Press the [▶/■] button once again to stop playback.

NOTE

Your recorded performance will be lost when you turn off the power. If you want to keep your recorded performance, you must save it to internal memory (p. 44) or USB memory (p. 64).

MEMO

You can't play back another song if a recorded performance exists. Erase or save your recorded performance, and then play back the desired song (p. 42).

MEMO

By holding down one of the track buttons and pressing the [●] button, you can erase the performance of just that track. If you erase the performance from all tracks, the display will indicate "New Song."

Recording a Performance You Play Along with a Song

Here's how you can record a performance that you play along with an internal song or a song from internal memory.

The part you select using the track buttons will be recorded, replacing the previous content of that part.

During recording, you won't hear the sound of the track whose button you selected.

* You can't record along with a song from a music CD, or with a song that consists of audio data.

Getting ready to perform

1.   Select the song that you want to play back (p. 37).

2.   Select the tone that you want perform (p. 21).

3.   Specify the tempo for recording (p. 40).

* The tempo of your recorded performance will be the tempo of the song you selected for recording.

   When you record a performance that you play along with a song, it will be recorded with the time signature of that song.

Getting ready to record
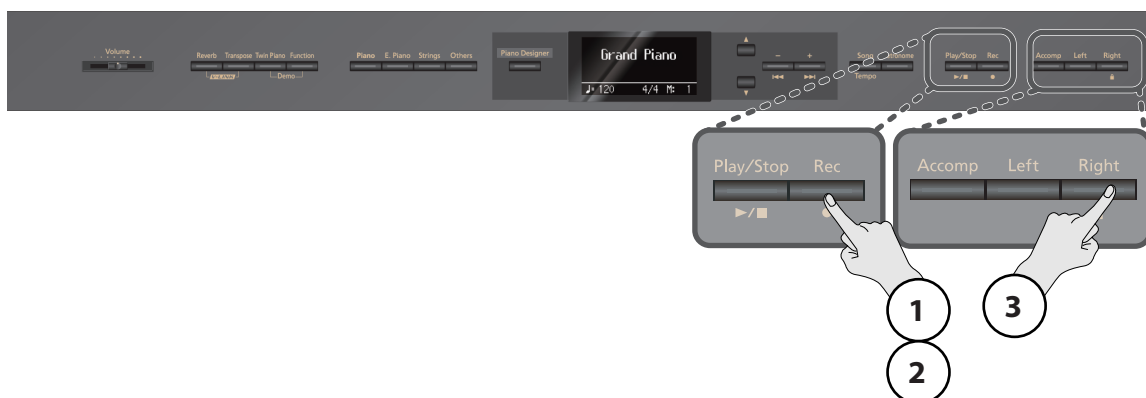
1.   Press the [●] button (Add On recording).

2.   Press the [●] button once again.

3.   Press the track button of the part that you want to record, so it's blinking.

With this setting, you will be listening to the selected song while you record.

The [●] button will light, the [►/■] button will blink, and the LX-10F will enter recording-standby mode.

If you decide to cancel recording, press the [●] button once again.

Recorded performances and the track buttons

The performances you record are assigned to the track buttons as follows.

| Track button	Performance part
[Right] button	Right-hand part
[Left] button	Left-hand part
[Accomp] button	Other performances

Recording and stopping

1. **Press the [▶/■] button.**

   You'll hear a two-measure count, and then recording will begin.

   Alternatively, you can start recording by playing the keyboard instead of pressing the [▶/■] button. In this case, there will be no count-in.

   When recording begins, the [●] button and [▶/■] button will light.

   MEMO
   During the count, "-2" then "-1" will be shown as the measure number in the lower right of the screen.

2. **Press the [▶/■] button.**
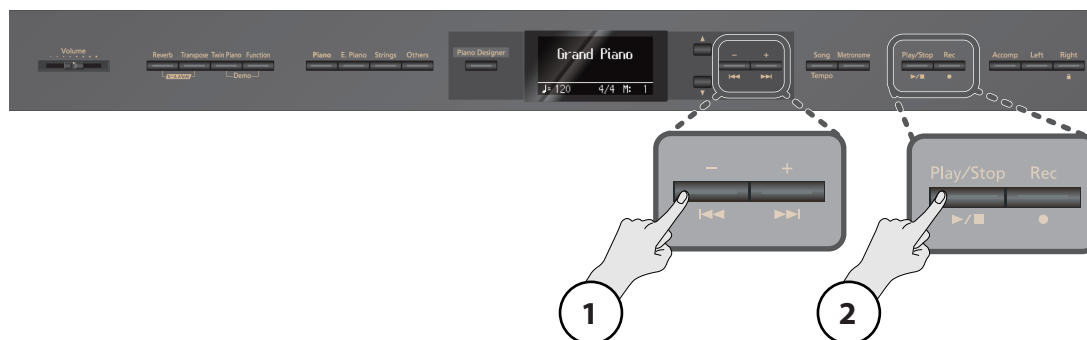
   Recording will stop.

Listening to the recorded performance

1. **Press the [◄◄] button.**

   You'll return to the beginning of the recorded performance.

2. **Press the [▶/■] button.**

   The recorded performance will play back.

   Press the [▶/■] button once again to stop playback.

   MEMO
   Your recorded performance will be lost when you turn off the power. If you don't want to lose your recorded performance, you must save it to internal memory (p. 44) or to USB memory (p. 64).

   MEMO
   You can't play back another song if a recorded performance exists. Erase or save your recorded performance, and then play back the desired song (p. 42).

Various Settings

Basic Operation in Function Mode

"Function mode" lets you make various settings for playback and recording.

Entering Function mode
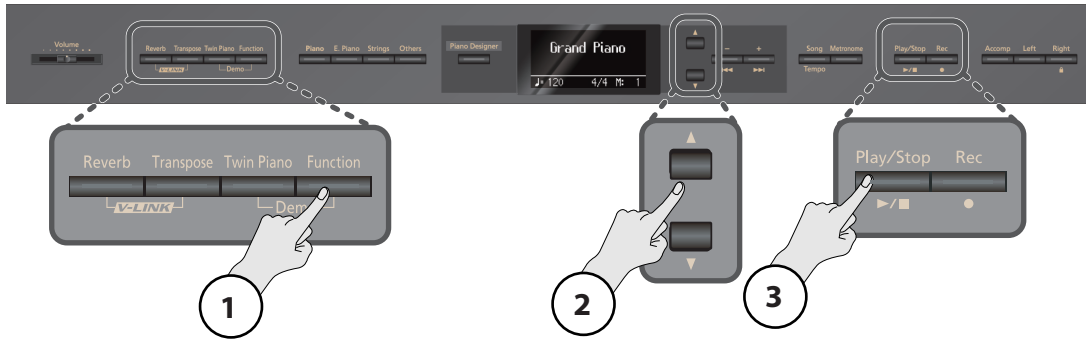
1. Press the [Function] button.

The [Function] button will light, and you'll be in Function mode.

```
Functions
Key Touch
File Menu
Brilliance
Song:Exit  ▶/■:Enter
```

2. Press the [▲] or [▼] button to choose the setting that you want to edit.

3. Press the [▶/■] button to go to the editing screen.

Editing a setting
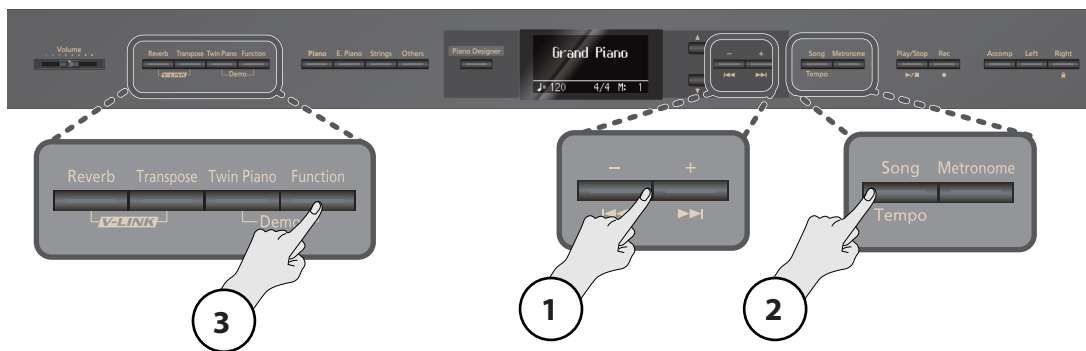
1. Press the [-] or [+] button to edit the setting.

By pressing the [-] [+] buttons simultaneously you can return the setting to its factory-set value.

```
Key Touch

     Medium

Song:Exit
```

2. Press the [Song] (Tempo) button to return to the previous screen.

If you want to edit other settings, refer to step 2 of "Entering Function mode" and choose the setting that you want to edit.

3. Press the [Function] button to exit Function mode.

The button indicators will return to their previous state.

(MEMO)

The edited settings will revert to their original value when you turn off the power.
For some settings, you can specify that they retain their edited state even when you turn off the power (p. 59).
For details on the settings that can be saved in this way, refer to "Items retained by Memory Backup" (p. 79).

Settings you can change

Function		Page
Key Touch		p. 54
File Menu	Save Song	p. 44
	Copy Song	p. 65
	Delete Song	p. 46
	Format Media	p. 61
Brilliance		p. 55
Master Tuning		p. 55
Equalizer		p. 55
Dual Balance		p. 56
Master Gain		p. 56
Mute Volume		p. 56
Track Assign		p. 56
Metronome Pattern		p. 57
Tempo Mute		p. 57
Transpose Mode		p. 57
Octave Shift		p. 57
Damper Pedal Part		p. 58
Center Pedal Func		p. 58
Left Pedal Func		p. 58
Local Control		p. 68
MIDI Transmit Ch.		p. 68
Composer MIDI Out		p. 68
USB Driver		p. 69
Ext. Memory Mode		p. 61
V-LINK Transmit Ch.		p. 70
Lyrics		p. 58
Recommended Tone		p. 63
CD/Audio Type		p. 58
Language		p. 58
Memory Backup		p. 59
Factory Reset		p. 59

Adjusting the Keyboard Sensitivity (Key Touch)

You can change the touch sensitivity, or response of the keys.
You can adjust the keyboard touch as appropriate for the playing strength of the person who is performing.

Setting	Description
Fixed	The sound plays at one set volume, regardless of the force used to play the keys.
Super Light	This setting produces the lightest keyboard touch.
Light	You can achieve fortissimo (ff) play with a less forceful touch than usual, so the keyboard feels lighter. This setting makes it easy to play, even for children.
Medium	This sets the standard keyboard touch. You can play with the most natural touch. This is the closest to the touch of an acoustic piano.
Heavy	You have to finger the keyboard more forcefully than usual in order to play fortissimo (ff), so the keyboard touch feels heavier. Dynamic fingering adds even more feeling to what you play.
Super Heavy	This setting produces the heaviest keyboard touch.

MEMO

These settings can also be edited from Piano Designer (p. 35).

Sounds Settings

Adjusting the Sound's Brilliance (Brilliance)

Here's how to adjust the brilliance of your keyboard playing or the playback brilliance of an internal song or USB memory song.

Increasing the value will make the sound brighter.

Setting
-10 (Mellow)–10 (Bright)

Matching the Pitch with Other Instruments (Master Tuning)

When playing ensemble with other instruments and in other such instances, you can match the standard pitch to another instrument.

The standard pitch generally refers to the pitch of the note that's played when you finger the middle A key. For a cleaner ensemble sound while performing with one or more other instruments, ensure that each instrument's standard pitch is in tune with that of the other instruments. This tuning of all the instruments to a standard pitch is called "master tuning."

Setting
415.3 Hz–440.0 Hz–466.2 Hz

MEMO
When the instrument is shipped from the factory, this is set to "440.0 Hz."

MEMO
These settings can also be edited from Piano Designer (p. 35).

Changing the Equalizer Settings (Equalizer)

You can use the equalizer to modify the tonal character of the sound by boosting or reducing just the low-frequency or high-frequency range of the sound.

1. **Enter Function mode, choose "Equalizer," and press the [▶/■] button (p. 53).**
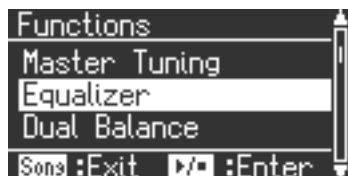
2. **Press the [+] button to switch "On."**

3. **Press the [▶/■] button.**
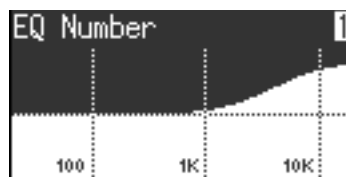
4. **Use the [▲] or [▼] buttons to select an item.**
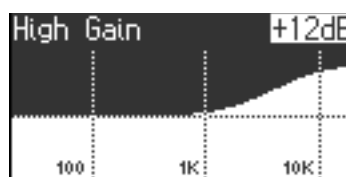
5. **Use the [-] [+] buttons to change the setting for the selected item.**

Indication	Setting	Description
EQ Number	1–4	Selects a set of preset equalizer settings.
High Gain	-12–+12 dB	Adjusts the level of the high-frequency range.
High Freq	1.25 k–16 k (Hz)	Frequency point in the high-frequency range. Generally, this changes the level at and over this frequency.
High Mid Gain	-12–+12 dB	Adjusts the level of the mid- to high-frequency range.
High Mid Freq	16–16 k (Hz)	Frequency point in the mid- to high-frequency range. This changes the level of the specified bandwidth centered on this frequency.
High Mid Q	0.5, 1.0, 2.0, 4.0, 8.0	Changes the bandwidth of the mid- to high-frequency range. The bandwidth affected by the controls narrows as the value increases.
Low Mid Gain	-12–+12 dB	Adjusts the level of the low-frequency range to midrange.
Low Mid Freq	16–16 k (Hz)	Frequency point in the low-frequency range to midrange. This changes the level of the specified bandwidth centered on this frequency.
Low Mid Q	0.5, 1.0, 2.0, 4.0, 8.0	Changes the bandwidth of the low-frequency range to midrange. The bandwidth affected by the controls narrows as the value increases.
Low Gain	-12–+12 dB	Adjusts the level of the low-frequency range.
Low Freq	100–1k (Hz)	Frequency point in the low-frequency range. Generally, this changes the level at and below this frequency.

* Sounds may become distorted as the Gain level increases.

Volume Settings

Adjusting the Dual Play Volume Balance (Dual Balance)

You can adjust the volume balance between the two tones (tone 1 and tone 2) used for Dual Play.

Setting
9-1 (tone 1 is louder)–9-9 (same volume)–1-9 (tone 2 is louder)

Adjusting the Volume (Master Gain)

If you are playing the LX-10F through a connected external system, there may be cases in which the volume from your external system is too low even when the LX-10F's volume is turned to the maximum setting.
In such cases, you can adjust the master gain setting as follows. Adjusting the master gain will also affect the volume of the internal speakers and headphones.

* The sound may distort if you increase the volume excessively.

Setting
-12–0–12 dB

Using the Sound of a Specific Part as a "Guide" (Mute Volume)

If desired, you can specify that the sound of a track will play at a reduced volume rather than going completely silent when you press a track button and turn off its indicator.

This setting lets you play a specific part at a reduced volume and use it as a "guide" for your playing.

Setting	Description
0–10	Increasing the value will make the sound louder.

When you turn off the power, the track mute volume will be reset to "0."

Changing the Parts Assigned to the Track Buttons During SMF Playback (Track Assign)

Ordinarily, when playing back SMF music files for Roland Piano Digital instruments (p. 80), the left-hand part is assigned to the [Left] button, and the right-hand part is assigned to the [Right] button. However, right-hand and left-hand part assignments in certain SMF music files may differ.

If these are set to "Auto," and as a result you are unable to use the track buttons to control the left- and right-hand parts properly, change the setting to "2/1 Part" or "3/4 Part."

* This setting can be used for SMF format songs other than the internal preset songs. It will not affect internal preset songs.

Setting	Description
Auto	The part assigned to each track will be determined automatically, depending on the song file.
2/1 Part	Assigns Part 1 to the [Right] button, Part 2 to the [Left] button, and the remaining parts to the [Accomp] button.
3/4 Part	Assigns Part 4 to the [Right] button, Part 3 to the [Left] button, and the remaining parts to the [Accomp] button.

(MEMO)
After changing this setting, try selecting the song once again.

Metronome Setting

Changing How the Metronome Marks the Beat (Metronome Pattern)

You can set the metronome to play at even smaller intervals.

The metronome will sound when you enter the setting screen.

Setting	Description
Normal	usual sound
♩.	dotted half note
♩	half note
♩.	dotted quarter note
♩	quarter note
♪.	dotted eighth note
♪	eighth note
♬	sixteenth note
Double	note added to back beat of every beat
Triplet	added notes sound every beat as a triplet
Shuffle	notes added to create a shuffle

Playing Back at a Fixed Tempo (Tempo Mute)

Some of the internal songs have a tempo that varies during the song.

If desired, you can make these songs play at a fixed tempo.

Setting	Description
On	Tempo changes recorded in the song will be ignored, and the song will play at a fixed tempo.
Off	The song will play according to the tempo changes it contains.

If Tempo Mute is turned on, the tempo indication in the screen will be highlighted.

```
Internal Memory
1: New Song
♩= 108     4/4  M:  1
```
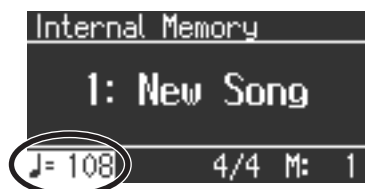
Performing Settings

Specifying What the Transpose will Affect (Transpose Mode)

This setting specifies what the transpose will affect.

You can use the transpose to change the pitch of both the song and the keyboard, the pitch of only the song, or the pitch of only the keyboard.

Setting	Description
Keyboard	Keyboard notes Transpose (p. 32)
Song	Song playback Playback Transpose (p. 40)
Keyboard & Song	Keyboard notes and song playback

Changing the Pitch of the Tone in Octave Steps (Octave Shift)

You can change the pitch of the Tone 2 in Dual Play (p. 26) and Lower tone in Split Play (p. 29) an octave at a time.

Altering the pitch in one-octave units in this way is called "Octave Shift."

For example, you can raise the pitch of the Lower Tone to the same pitch of the Upper Tone in Split Play.

Setting
-2–0–+2

Pedal Settings

Changing How the Pedal Effects Are Applied (Damper Pedal Part)

When you press the damper pedal during Dual play or Split play, the pedal effect is normally applied to both tones, but you can also select the tone to which the effect is to be applied.

Setting	Description
Right & Left	All enabled
Right	Applied only to the Tone 1 (in dual mode)/Right-hand Tone (in split mode)
Left	Applied only to the Tone 2 (in dual mode)/Left-hand Tone (in split mode)

Changing How the Pedals Work (Center/Left Pedal Func)

When you turn on the power, the left pedal functions as the soft pedal, and the center pedal functions as the sostenuto pedal (p. 20). You can change the function of the pedal to a variety of other operations.

Setting	Description
Soft	Sets function to soft pedal. * Selectable only for the left pedal.
Sostenuto	Sets function to sostenuto pedal. * Selectable only for the center pedal.
Play/Stop	The pedal will have the same function as the [▶/■] button.
Layer	Pressing the pedal will layer on Tone 2, used for Dual play. * The Layer function can be applied only when using Dual play.
Octave	Pressing the pedal will layer on a sound one octave higher. * The Octave function cannot be applied while using Twin Piano, Dual play, or Split play.

*   "Layer" and "Octave" cannot be specified simultaneously for the center and left pedals.

Switching On/Off the Display of Lyrics (Lyrics)

This lets you specify whether lyrics will be displayed in the screen when you play back song data that contains lyrics.

Setting	Description
On	Lyrics will be displayed.
Off	Lyrics will not be displayed.

This is set to "On" at the factory.

Setting the Type of CD To be Played Back (CD/Audio Type)

The LX-10F may be unable to correctly recognize the type of CD being used. In such instances, you can specify the type of CD manually.

Setting	Description
Auto	The CD type is detected automatically
Type A	General CDs for Player Piano contain audio and MIDI data, and the data format may vary from one CD to the next. If the CD's data format does not match the LX-10F's settings, a "beep" will sound. Certain general Piano player CDs may not be playable on the LX-10F.
Type B	
Stereo	Commercial Audio CD (CDs other than those designed for use with the player piano)

*   Note that some commercial player piano CDs cannot be played back on the LX-10F.

Changing the Language Displayed in the Screen (Language)

You can change the language that is displayed in the screen.

Setting
English, Japanese

Storing Your Settings (Memory Backup)

The settings you edit in Function mode will return to their factory-set values when you turn off the power, but the "Memory Backup" function lets you store these settings so that they will not change even when you turn off the power.

1. **Enter Function mode, choose "Memory Backup," and press the [▶/■] button (p. 53).**

    ```
    Functions                    ▲
    Recommended Tone
    Language
    Memory Backup
    Song :Exit  ▶/■ :Enter      ▼
    ```
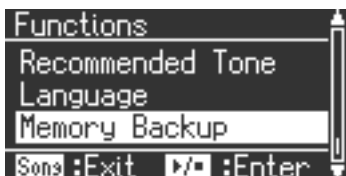
2. **To store the settings, press the [▶/■] button.**

    If you decide not to store the settings, press the [Song] (Tempo) button.

    ```
    Memory Backup

      Stores settings in
      internal memory.

    Song :Exit  ▶/■ :Execute
    ```

3. **To execute the operation, press the [●] button.**

    If you decide to cancel, press the [▶/■] button.

    ```
    Memory Backup
     ┌─ Are you sure? ──┐
     │                  │
     │ Cancel      OK   │
     │  ▶/■        ●    │
     └──────────────────┘
    Song :Exit  ▶/■ :Execute
    ```

    When the memory backup has been completed, the Function mode menu screen will appear.

    NOTE

    Never turn off the power while the settings are being saved.

    MEMO

    For details on the items that are saved, refer to "Parameters Stored in Memory Backup" (p. 79).

Restoring the Factory Settings (Factory Reset)

When you execute the "Factory Reset" function, the settings you've edited in Function mode will be restored to their factory-set state. Execute this function when you want the settings you saved using the Memory Backup function to be restored to the state they were in when you purchased the LX-10F.

NOTE

When you execute "Factory Reset," all stored settings will be erased and returned to the factory settings.

MEMO

This function will not erase the songs from internal memory or external memory such as separately sold USB memory.
If you want to erase internal memory or external memory such as USB memory, refer to "Initializing the Memory (Format Media)" (p. 61).

1. **Enter Function mode, choose "Factory Reset," and press the [▶/■] button (p. 53).**

    ```
    Functions                    ▲
    Language
    Memory Backup
    Factory Reset
    Song :Exit  ▶/■ :Enter      ▼
    ```
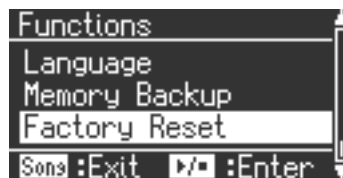
2. **To execute Factory Reset, press the [▶/■] button.**

    If you decide not to execute Factory Reset, press the [Song] (Tempo) button.

    ```
    Factory Reset
      All the factory
      settings will be
      restored.
    Song :Exit  ▶/■ :Execute
    ```
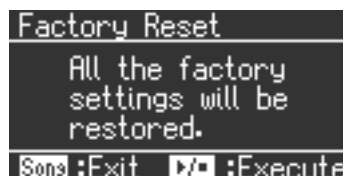
3. **If you're sure you want to execute, press the [●] button.**

    To cancel, press the [▶/■] button.

    ```
    Factory Reset
     ┌─ Are you sure? ──┐
     │                  │
     │ Cancel      OK   │
     │  ▶/■        ●    │
     └──────────────────┘
    Song :Exit  ▶/■ :Execute
    ```
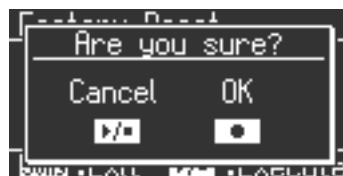
    The factory reset will be executed.

    NOTE

    Never turn off the power while the Factory Reset is being executed.

    When the factory reset is completed, the following screen will appear.

    ```
    Factory Reset

      Power off, then on.

    Song :Exit  ▶/■ :Execute
    ```
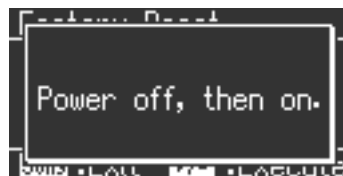
4. **Turn the power off, and then on again (p. 16).**

Connecting to Other Devices

Connecting a Media

You will be able to accomplish the following once you've connected external media (CD drive, floppy disk drive, or USB memory).

Device	What you can do
CD drive	Play back music CDs, SMF music files, and songs from a VIMA CD-ROM (VIMA TUNES sold by Roland)
Floppy disk drive	Play back SMF music files, and save performance data
USB memory	Play back SMF music files, save performance data, and play back audio files

* If you're using new USB memory, you'll need to initialize (format) it on the LX-10F. For details, refer to "Initializing the Memory" (p. 61).

Installing the CD Drive

Attach the CD drive as shown the figure, using the mounting holes on the LX-10F's bottom panel.

* For details of the attachment or connecting, refer to the owner's manual of the CD drive.
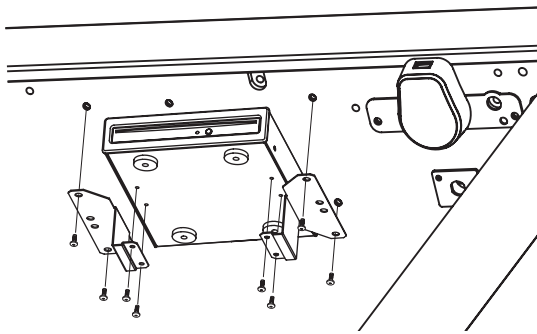
* Use a CD drive sold by Roland. We cannot guarantee operation if any other CD drive is used.

Precautions Concerning Use of the CD

- You cannot play back CD-R/RW disks to which audio tracks have been added or CDs containing both audio tracks and data (CD Extra).
- The LX-10F is capable of playing back only commercial CDs that conform the official standards-those that carry the "COMPACT DISC DIGITAL AUDIO" logo.
- The usability and sound quality of audio discs that incorporate copyright protection technology and other non-standard CDs cannot be guaranteed.
- For more detailed information on audio discs featuring copyright protection technology and other non-standard CDs, please consult the disc vendor.
- You cannot save songs and styles to CDs, and you cannot delete songs or styles recorded to CDs. Furthermore, you cannot format CDs.

Installing the Floppy Disk Drive

Attach the floppy disk drive as shown the figure, using the mounting holes on the LX-10F's bottom panel.

* For details of the attachment or connecting, refer to the owner's manual of the floppy disk drive.
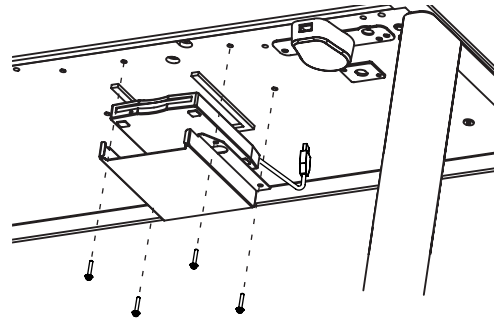
* Use a floppy disk drive sold by Roland. We cannot guarantee operation if any other floppy disk drive is used.

Connecting USB Memory

Connect the USB memory to the External Memory connector as shown the figure.
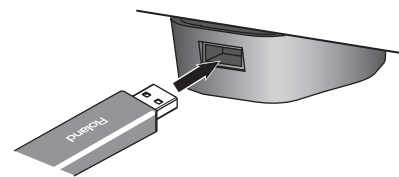
* Carefully insert the USB memory all the way in—until it is firmly in place.

* Use a USB memory sold by Roland. We cannot guarantee operation if any other USB memory is used.

Initializing the Memory (Format Media)

Here's how you can completely erase all songs that were saved in internal memory, USB memory (sold separately), or a floppy disk (sold separately).

NOTE

Once an initialization is performed, all songs that have been saved in memory will be erased. The erased data cannot be recovered, so we recommend that you check the contents of memory before you proceed.

NOTE

If you're using new USB memory (sold separately) or floppy disk (sold separately) with the LX-10F for the first time, you'll need to initialize (format) the USB memory or a floppy disk before using it. The LX-10F can't use USB memory or a floppy disk that has not been initialized.

If you want to initialize USB memory or a floppy disk, make the following preparations before you proceed.

- Connect your USB memory to the external memory connector.
- Connect your floppy disk drive to the external memory connector, and insert a disk in the drive.

1. **Enter Function mode, choose "File Menu," and press the [▶/■] button (p. 53).**

2. **Press the [▲] or [▼] button to choose "Format Media."**

```
File Menu
Copy Song
Delete Song
Format Media
Song:Exit   ▶/■:Enter
```

3. **Press the [▶/■] button.**

If you decide not to execute Format Media, press the [Song] (Tempo) button.

```
Format Media
◄►Internal Memory

Song:Exit   ▶/■:Execute
```

4. **Press the [-] or [+] button to select the memory that you want to initialize.**

Display	Description
Internal Memory	Internal memory
External Memory	USB memory
Disk	Floppy disk

5. **Press the [▶/■] button.**

A confirmation message will appear.

```
Format Media
OK to format?

Cancel      OK
▶/■          ●
Song:Call   ▶/■:Execute
```

If you press the [▶/■] button, you'll return to the previous screen without initializing.

6. **Press the [●] button.**

Initialization will begin.

The entire contents of the selected memory will be erased.

> **Caution when Initializing the Memory**
>
> - Never turn off the power while "Executing..." is shown in the display.
> - If the screen indicates "Error," please refer to "Error Messages" (p. 74).
> - Initializing the LX-10F's internal memory will not initialize settings other than the contents of internal memory. If you want to return settings other than the contents of internal memory to their factory-set condition, execute the Factory Reset operation (p. 59).
> - Don't disconnect the USB memory until USB memory initialization has been completed.
> - While a floppy disk is being initialized, do not eject the disk from the floppy disk drive or disconnect the cable of the disk drive.

Changing the External Memory Setting (Ext. Memory Mode)

In some cases, when USB memory is connected to the external memory connector, it may take longer for data to be loaded, or data may fail to be loaded successfully. If this occurs, you may be able to solve the problem by changing the external memory setting.

1. **Enter Function mode, choose "Ext. Memory Mode," and press the [▶/■] button (p. 53).**

2. **Press the [-] or [+] button to edit the setting.**

Setting
Mode 1, Mode 2

3. **If you change this setting, turn on the power once again.**

MEMO

This setting is remembered even when the power is turned off.

Playing Back Songs on External Media

You can play back songs from a CD, USB memory, or a floppy disk.

You can play back songs that are music data (p. 80) or audio files (p. 73).

1. Prepare the external media that contains the song you want to play.

Insert the floppy disk into the floppy disk drive, or the CD into the CD drive.

2. Press the [Song] (Tempo) button a number of times.

The [Song] (Tempo) button will light red, and the song select screen will appear.

3. Select the song that you want to play back.

Refer to "Selecting a song" below.

4. Press the [▶/■] button.

For details on operations during playback, refer to step 3 of "Playing Back Songs" (p. 37).

Selecting a song

Button operations

Select a song
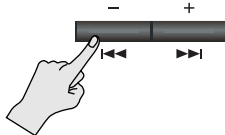
* Press the [-] or [+] button to select a song.

Order in which memories are selected

1. The song to be newly recorded

Select a memory

Display	Discription
External Memory	USB memory
CD	CD-ROM
Music CD	Music CD
Disk	Floppy Disk

2. Songs from CD, USB memory, or floppy disk

* This cannot be selected if nothing is connected to the external memory connector.

Select a song

Shown for audio files

Select a memory

3. Songs from internal memory

* This cannot be selected if there are no songs.

Select a song

Select a memory

4. Internal songs

Select a song

Select a song that's inside a folder

- To select a song that's inside a folder, select the folder and press the [▶/■] button.
- To exit the folder, select "Up" and press the [▶/■] button.
- * If a folder contains 500 or more files and/or folders, some of the files and folders may not be displayed.
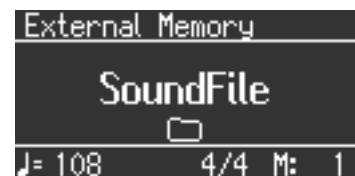
Adjusting the Volume of an Audio File or Music CD

You can adjust only the volume of an audio file or music CD.

1. **Play back the audio file or music CD (p. 62).**

2. **Hold down the [▶/■] button and press the [-] or [+] button.**

Setting
0–10

Changing the Tempo of an Audio File or Music CD

You can change the tempo of an audio file or a song from a music CD.

1. **Press the [Song] (Tempo) button a number of times.**

   The [Song] (Tempo) button will light green, and the display will indicate "Audio Tempo."

2. **Press the [-] or [+] button.**

Setting
75–100–125 (%)

MEMO

If you select a different song or turn off the power, the tempo will revert to a setting of "100."

Changing the Playback Pitch of a Song (Playback Transpose)

You can also change the playback pitch for a music CD song or an audio file (Playback Transpose; p. 40).

1. **Play back the audio file or music CD (p. 62).**

2. **While holding down the [Transpose] button, press the [-] or [+] button.**

Setting
-6–0–5 (semitone units)

*   If you've selected a music CD song or audio file, using Playback Transpose may affect the tonal character.

Minimizing the Sounds in the Center (Center Cancel)

Sounds on a music CD or audio file that are heard from the center (typically the vocal or melody instrument) can be minimized in the playback.

1. **Play back the audio file or music CD (p. 62).**

2. **Press the [Right] button so its light is turned off.**

   The volume of the melody or vocal will decrease.

*   For some songs, the sound heard from the center may not disappear completely.

MEMO

To turn off the Center Cancel function, press the [Right] button. The Center Cancel function will also be turned off when you select a different song.

*   For some songs, using Center Cancel may affect the tonal character.

Switching VIMA TUNES Recommended Tones (Recommended Tone)

You can connect a commercially available USB CD drive to the LX-10F, and play back separately sold CD-ROMs created for the VIMA (VIMA TUNES p. 80).

Songs on VIMA CD-ROM (VIMA TUNES) are programmed with "recommended tones" suitable for each song.

When you select a song from a VIMA CD-ROM (VIMA TUNES), recommended tones will be assigned to the LX-10F's [E. Piano], [Strings], and [Others] tone buttons, and these three tone buttons will blink. When you press a flashing Tone button, the recommended tone is then selected, enabling you to perform the selected song using a tone matched to that song as it plays back.

You can set the LX-10F so that the recommended tones are automatically assigned or not assigned.

1. **Enter Function mode, choose "Recommended Tone," and press the [▶/■] button (p. 53).**

2. **Press the [-] or [+] button to switch "On" or "Off."**

Setting	Description
On	When you select a song from a VIMA CD-ROM (VIMA TUNES), recommended tones will automatically be assigned to the LX-10F's [E. Piano], [Strings], and [Others] tone buttons.
Off	The recommended tones are not used, and only the LX-10F's internal tones can be selected.

This is set to "On" at the factory.

Saving Your Recorded Performance on External Memory

Here's how to save your recorded performance to USB memory or a floppy disk.

Getting ready to save

1. **Enter Function mode, choose "File Menu," and press the [▶/■] button (p. 53).**

2. **Press the [▲] or [▼] button to choose "Save Song."**

```
File Menu
Save Song
Copy Song
Delete Song
Song:Exit  ▶/■:Enter
```

3. **Press the [▶/■] button.**

Changing the name of a song

1. **Edit the song name (p. 45).**

```
Rename Song
Aa0!      INS   DEL
New Song
Song:Exit  ▶/■:Next
```

Choosing a save destination, and saving

1. **Press the [-] or [+] button to choose "External Memory" or "Disk."**

```
Save Song
◀▶ External Memory
   1:(Empty)
Song:Exit  ▶/■:Execute
```

2. **Press the [▼] button.**

3. **Press the [-] or [+] button to select the save destination.**

4. **Press the [▶/■] button.**

NOTE

Never turn off the power while the display indicates "Executing…"

* You can't select another song if the recorded performance has not been saved. Please save the recorded performance (p. 42).

* If you want to erase an unwanted song and replace it with the newly saved song, select the number of the unwanted song.

Deleting a Song From External Memory

Here's how to delete a song that you saved on USB memory or a floppy disk.

Getting ready to delete

1. **Enter Function mode, choose "File Menu," and press the [▶/■] button (p. 53).**

2. **Press the [▲] or [▼] button to choose "Delete Song."**

```
File Menu
Save Song
Copy Song
Delete Song
Song:Exit  ▶/■:Enter
```

3. **Press the [▶/■] button.**

Selecting the song to delete

1. **Press the [-] or [+] button to select either "External Memory" or "Disk."**

```
Delete Song
   External Memory
◀▶ 1:My Song
Song:Exit  ▶/■:Execute
```

2. **Press the [▼] button.**

3. **Press the [-] or [+] button to select the song that you want to delete.**

Deleting the song

1. **Press the [▶/■] button.**
   A confirmation message will appear.

```
OK to delete file?
Cancel      OK
 ▶/■         ●
```

2. **Press the [●] button.**
   The selected song will be deleted.
   If you decide not to delete, press the [▶/■] button.

NOTE

Never turn off the power while the display indicates "Executing…"

* You can't select another song if the recorded performance has not been saved. Please save the recorded performance (p. 42).
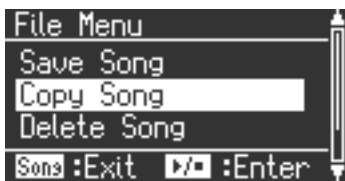
Copying the Song

Songs that have been saved in internal memory can be copied to USB memory.

Alternatively, songs stored on a USB memory device can be copied to internal memory.

Getting ready to copy

1. **Enter Function mode, choose "File Menu," and press the [▶/■] button (p. 53).**

2. **Press the [▲] or [▼] button to choose "Copy Song."**

```
File Menu
 Save Song
[Copy Song]
 Delete Song
Song:Exit  ▶/■:Enter
```

3. **Press the [▶/■] button.**

Selecting the song to copy

1. **Press the [-] or [+] button to select either "External Memory" or "Disk."**

```
Copy from ...
◆[External Memory]
  1:My Song

Song:Exit  ▶/■:Next
```

2. **Press the [▼] button.**

3. **Press the [-] or [+] button to select the song that you want to copy.**

(MEMO)
If you choose "Copy all," all songs in the copy-source memory will be copied.

4. **Press the [▶/■] button.**

5. **Press the [-] or [+] button to select the copy-destination number.**

```
Copy to ...
  Internal Memory
◆[2:(Empty)]

Song:Exit  ▶/■:Execute
```
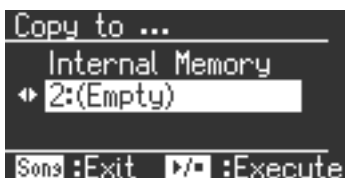
Numbers for which a song name is shown already contain a song.

If you select a number at which a song has already been saved, and execute the copy operation, the previously saved song will be deleted.

If you don't want to delete an existing song, select an unused number.

Copying the song

1. **Press the [▶/■] button.**

The selected song will be copied.

* You cannot copy songs on audio files.

NOTE
Never turn off the power while "Executing..." is shown in the display.

Save and Copy

A song you've recorded can be saved in internal memory or USB memory.

Songs saved in internal memory can be copied to external memory, such as USB memory.

LX-10F

Save | **Recorded Song** | **Save**

LX-10F Internal Memory

Copy

Copy

External Memory
USB Memory, Floppy Disk Drive (Sold Separately)
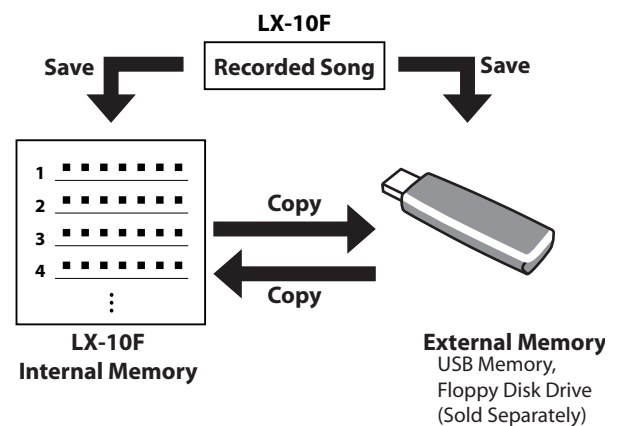
Connecting to Audio Equipment

If you connect the LX-10F to powered speakers or to an audio system that has line input jacks, you'll be able to hear the LX-10F's sound from your powered speakers or audio system. If you connect your portable audio player or other audio playback device to the LX-10F, you'll be able to hear its sound via the LX-10F. Use audio cables (sold separately) to make connections.

> **Caution when making audio connections**
>
> To prevent malfunction and/or damage to speakers or other devices, always turn down the volume, and turn off the power on all devices before making any connections.
>
> When connection cables with resistors are used, the volume level of equipment connected to the inputs jacks may be low. If this happens, use connection cables that do not contain resistors.

Having Audio from an External Device be Sounded Through the LX-10F.

Input jacks

RCA PIN

Output (Line out) jack

Portable audio player, etc.
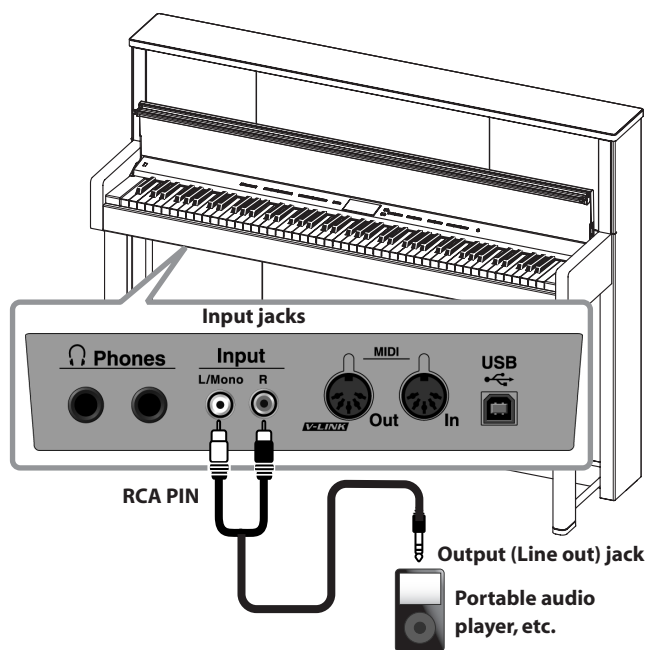
1. **Turn the volume all the way down on the LX-10F and on the audio device.**

2. **Turn off the power to the LX-10F and audio device.**

3. **Use audio cables (sold separately) to make the connection.**

4. **Switch on the connected audio device.**

5. **Switch on the LX-10F.**

6. **Adjust the volume level on the LX-10F and the connected audio device.**

    The sounds from the connected audio device are played by the LX-10F.

MEMO
Adjust the volume by using the controls of your audio device.

Turning Off the Power

1. **Turn the volume all the way down on the LX-10F and on the audio device you're about to connect.**

2. **Turn off the LX-10F.**

3. **Turn off the connected audio device.**

Connecting Speakers to the LX-10F and Outputting Sounds

Output jacks

1/4" plug

Amplified Speakers, Audio System, etc.

Input (Line In) jacks
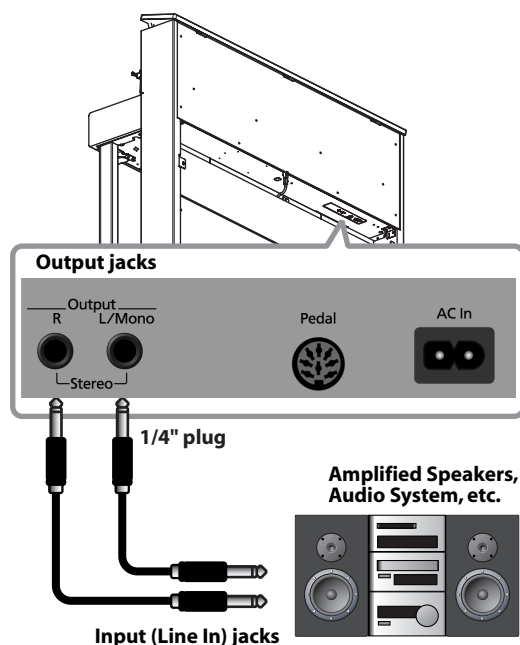
1. **Turn the volume all the way down on the LX-10F and on the speaker.**

2. **Turn off the power to the LX-10F and speakers.**

3. **Use audio cables (sold separately) to make the connection.**

4. **Switch on the LX-10F.**

5. **Switch on the connected speakers.**

6. **Adjust the volume level on the LX-10F and the connected speakers.**

    When you play the LX-10F's keyboard, the sound is played from the connected speakers.

Turning Off the Power

1. **Turn the volume all the way down on the LX-10F and on the speakers you're about to connect.**

2. **Turn off the connected speakers.**

3. **Turn off the LX-10F.**
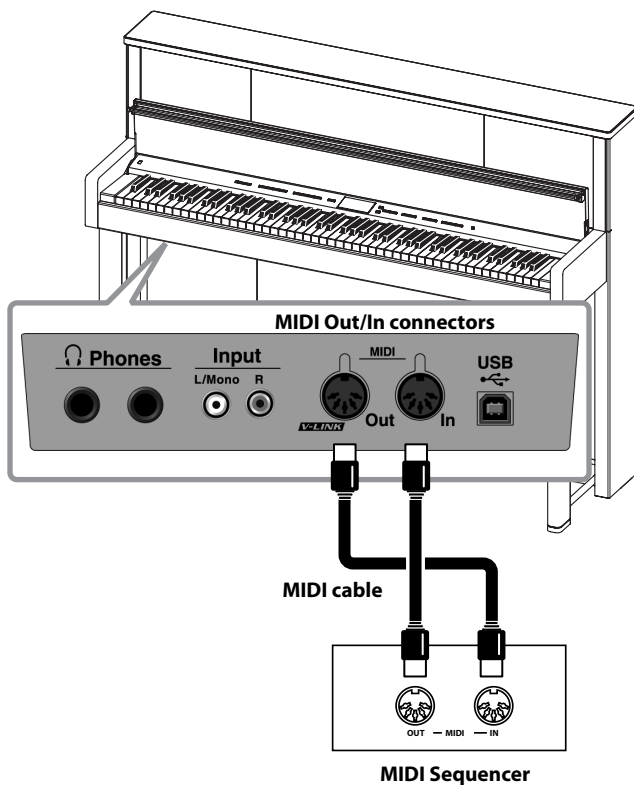
Connecting to MIDI Devices

By connecting an external MIDI device and exchanging performance data, you can control one device from the other.

For instance, you can output sound from the other instrument or switch Tones on the other instrument.

What's MIDI?

MIDI, short for "Musical Instrument Digital Interface," was developed as a universal standard for the exchange of performance data between electronic instruments and computers.

The LX-10F is equipped with MIDI connectors to let it exchange performance data with external devices. These connectors can be used to connect the LX-10F to an external device for even greater versatility.
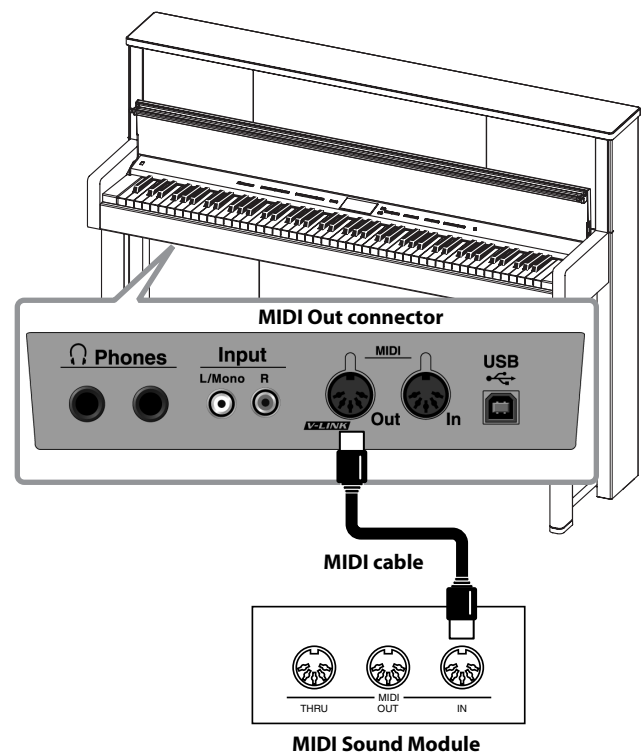

Connecting a MIDI Sequencer to the LX-10F

MIDI Out/In connectors

Phones | Input L/Mono R | MIDI Out In | USB

V-LINK

MIDI cable

OUT — MIDI — IN

MIDI Sequencer

NOTE

When the LX-10F is connected to a MIDI sequencer, set it to "Local Off" (p. 68).

Producing Sounds from a MIDI Sound Module by Playing the LX-10F

MIDI Out connector

Phones | Input L/Mono R | MIDI Out In | USB

V-LINK

MIDI cable

THRU | MIDI OUT | IN

MIDI Sound Module

Making the Connection

1. **Turn the volume all the way down on the LX-10F and on the MIDI device.**

2. **Switch off the power to the LX-10F and the MIDI device.**

3. **Use a MIDI cables (sold separately) to connect the MIDI connectors to each other.**

4. **Switch on the power to the LX-10F and the connected MIDI device.**

5. **Adjust the volume level on the LX-10F and the connected MIDI device.**

6. **You should also set the MIDI transmit channel as needed.**

MEMO

For details on the MIDI transmit channel, refer to "MIDI Transmit Channel Settings (MIDI Transmit Ch.)" (p. 68).

## Preventing Doubled Notes When Connected to a Sequencer (Local Control)

When you have a MIDI sequencer connected, set this parameter to Local Off.

Since the Thru function of your sequencer will normally be turned on, notes played on the keyboard or played back by the sequencer will be transmitted to the sound generator by the two routes (1) and (2) shown in the illustration, causing notes to be sounded in duplicate or to be cut off unnaturally. To prevent this, the setting called "Local Off" is used to disconnect the route in (1).
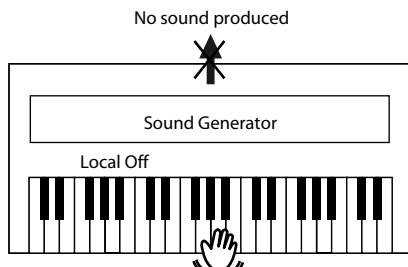

Each note played is sounded twice
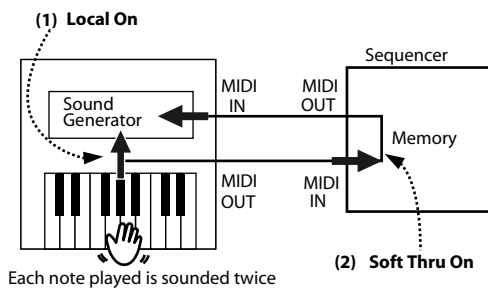
Local On:

The keyboard and sequencer are connected to the internal sound generator.
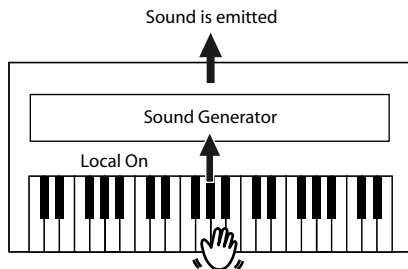
Local Off:

The keyboard and sequencer are not connected to the internal sound generator. No sound will be produced by the keyboard when it is played.

1. **Enter Function mode, choose "Local Control," and press the [▶/■] button (p. 53).**

2. **Press the [-] or [+] button to switch "On" or "Off."**

Setting	Description
On	The Local Control is set to On. The keyboard and sequencer are connected to the internal sound generator.
Off	The Local Control is set to Off. The keyboard and sequencer are not connected to the internal sound generator. Playing the keyboard or playing back a song will not produce sound.

MIDI Transmit Channel Settings (MIDI Transmit Ch.)

This setting specifies the MIDI channel on which the LX-10F will transmit. MIDI uses sixteen "MIDI channels," which are numbered 1 through 16. By connecting MIDI devices and specifying the appropriate MIDI channel for each device, you can play or select sounds on those devices.

The LX-10F will receive all sixteen channels (1–16).

1. **Enter Function mode, choose "MIDI Transmit Ch.," and press the [▶/■] button (p. 53).**

2. **Press the [-] or [+] button to edit the setting.**

Setting (Channel)
Off, 1–16

MEMO

When set to "Off," none of the data describing what you play on the keyboard will be transmitted.

Sending Recorded Performance Data to a MIDI Device (Composer MIDI Out)

When Composer MIDI Out is "On," you can send performance data recorded with the LX-10F to a connected MIDI device or computer.
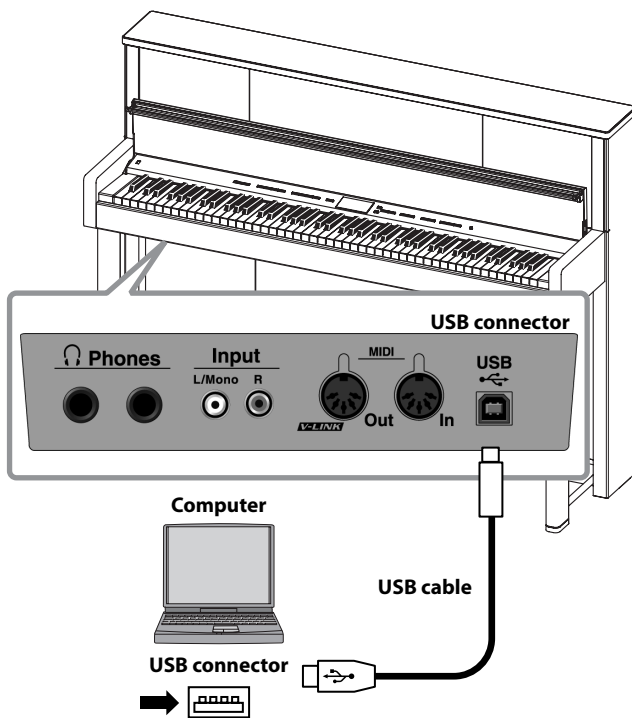
1. **Enter Function mode, choose "Composer MIDI Out," and press the [▶/■] button (p. 53).**

2. **Press the [-] or [+] button to switch "On" or "Off."**

Setting	Description
On	Performance data is transmitted.
Off	Performance data is not transmitted.

Connecting a Computer

The following become possible once you connect a USB cable (available separately) between the USB connector on the LX-10F's left end of the bottom panel and the USB connector of your computer.

- You can use the LX-10F to play sounds from SMF music files played back with MIDI software.
- By exchanging MIDI data with sequencer software, you can save songs recorded with the LX-10F to your computer, and enjoy a variety of musical control and editing features.

* Connect the LX-10F to your computer as shown right.

Changing the USB Driver Settings (USB Driver)

Normally, you don't need to install a driver in order to connect the LX-10F to your computer. However, if some problem occurs, or if the performance is poor, using the Roland original driver may solve the problem.

Specify the USB driver you want to use, and then install the driver.

1. **Enter Function mode, choose "USB Driver," and press the [▶/■] button (p. 53).**

2. **Press the [-] or [+] button to switch "Generic" or "Original."**

Setting	Description
Generic	Choose this if you want to use the standard USB driver that was included with your computer. Normally, you should use this mode.
Original	Choose this if you want to use a USB driver downloaded from the Roland website.

If you change this setting, turn on the power once again.

MEMO
This setting is remembered even when the power is turned off.

MEMO
For details on downloading and installing the Roland original driver, refer to the Roland website.

Roland website

Here you can download the original driver, and view the installation procedure and operating requirements.

Roland website: http://www.roland.com/

Using the V-LINK Function

Connecting the LX-10F to a V-LINK compatible image device allows you to control the images with the LX-10F.

* To prevent malfunction and/or damage to speakers or other devices, always turn down the volume, and turn off the power on all devices before making any connections.

V-LINK

V-LINK (**V-LINK**) is a function that allows music and images to be performed together. By using MIDI to connect two or more V-LINK compatible devices, you can easily enjoy performing a wide range of visual effects that are linked to the expressive elements of a music performance.
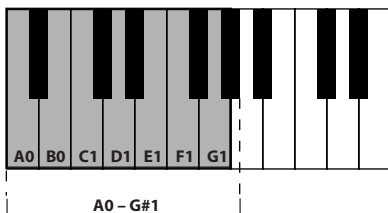

1. **Hold down the [Reverb] button and press the [Transpose] button.**

When the V-LINK function is on, the V-LINK icon appears on the screen.

You can control images using the twelve keys at the left end of the keyboard.

* While V-LINK is switched on, no sound is produced when you press any of the twelve keys at the left end of the keyboard.

(MEMO)
To cancel V-LINK, hold down the [Reverb] button and press the [Transpose] button.

Specifying the V-LINK Transmit Channel

Here's how to specify the channel on which messages used to control video will be sent.

1. **Enter Function mode, choose "V-LINK Transmit Ch.," and press the [▶/■] button (p. 53).**

2. **Use the [-] or [+] button to edit the setting.**

Setting
1–16

Troubleshooting

If you think there's a problem, read this first.

Symptom	Cause/Action	Page
Power does not turn on	Is the power cord connected correctly?	p. 14
Nothing appears in the screen	Since the LX-10F uses a liquid crystal screen, it may happen that no text or graphics appear in the screen if the temperature is below zero degrees Celsius (32 degrees Fahrenheit).	—
Pedal does not work, or is "stuck"	Is the pedal connected correctly? Plug the cable firmly into the pedal connector.	p. 14
	If you disconnect the pedal cord from the LX-10F while the power is on, the pedal effect may remain "stuck" in the On condition. You must power-off the LX-10F before connecting or disconnecting the pedal cord.	—
	Could you have changed how the pedal effect is applied? If the damper pedal part is set to Right, the pedal will apply only to the right tone; if it is set to Left, the pedal will apply only to the left tone.	p. 58
	Could Twin Piano be turned on? If Twin Piano is on, the right pedal will affect only the right-hand keyboard zone and the left pedal will affect only the left-hand keyboard zone.	p. 27
	Could you have changed the function of the pedal? If you've switched the function of the soft pedal or sostenuto pedal, these pedals will not operate as the soft pedal or sostenuto pedal.	p. 58
Unable to read from/write to USB memory	Are you using (optional) Roland USB memory? Reliable performance cannot be guaranteed if you use non-Roland USB memory products.	—
	If you are unable to read or write USB memory successfully, change the External Memory setting.	p. 61
"Buzz" is heard from external devices	Are the external devices connected to more than one AC power outlet? If you connect external devices, be sure to connect them to the same AC outlet.	—
Device connected to the Input jacks have insufficient volume	Could you be using a connection cable that contains a resistor? Use a connection cable that does not contain a resistor.	—

No sound

Symptom	Cause/Action	Page
No sound	Is the speaker cable connected correctly?	p. 14
	Could the LX-10F's volume or the volume of the connected equipment be turned down?	p. 17
	Could headphones be connected? Could there be a plug inserted in a headphone jack? The speakers will not produce sound if headphones or plug are connected to the headphone jacks.	p. 18
	Has Local Control been set to "Off"? When Local Control is set to Off, no sound is produced by playing the keyboard. Set Local Control to On.	p. 68
	Could Twin Piano mode be set to "Individual"? If headphones are connected when Twin Piano is "on" and the mode is set to "Individual," notes played in the left-hand keyboard zone will not be heard from the headphones connected to the right Phones jack. Similarly, notes played in the right-hand keyboard zone will not be heard from the headphones connected to the left Phones jack.	p. 28
No sound when you play back a song	Has Local Control been set to "Off"? When Local Control is set to Off, no sound is produced by playing the song. Set Local Control to On.	p. 68
	Could the song volume be set to "0"?	p. 39
No sound from the leftmost notes of the keyboard	Is V-LINK switched on? When V-LINK is on, the lowest twelve notes of the keyboard are used to control the image, and will not produce sound.	p. 70
No sound (when a MIDI device is connected)	Are all devices powered on?	—
	Are the MIDI cables connected correctly?	p. 67
	Do the MIDI channels of the LX-10F and the connected device match?	p. 68

Symptom	Cause/Action	Page
Notes don't sound right		
Sound is not loud enough Only the high sounds are heard	Is the speaker cable connected correctly?	p. 14
Pitch of the keyboard or song is incorrect	Could you have made Transpose settings?	p. 32
	Is the Master Tune setting appropriate?	p. 55
	Is the setting for the Temperament correct?	p. 35
	Is the settings for the Stretch Tuning correct?	p. 35
Not all the notes you play are sounded	The maximum simultaneous polyphony is 128 voices. If you are playing along with a song and making heavy use of the damper pedal, the number of notes the LX-10F is attempting to produce may exceed the maximum polyphony, meaning that some of the notes will drop out.	—
Sounds are heard twice (doubled) when the keyboard is played	Is the LX-10F in Dual play?	p. 26
	When the LX-10F is connected to an external sequencer, set the Local Control to off. Alternatively, the sequencer could be set so its Soft Thru feature is Off.	p. 68
The wrong instrument is selected when you press the [E. Piano], [Strings], or [Others] button	Tone buttons [E. Piano] [Strings] [Others] also operate as buttons that select "Recommended Tones." With the factory settings, connecting a commercially-available CD-ROM drive to the external memory connector and selecting a song from a CD-ROM produced for the VIMA (VIMA TUNES) will automatically cause sounds appropriate for that song to be assigned to the [E. Piano], [Strings], and [Others] Tone buttons, so that you can select "recommended" sounds by pressing one of these buttons. You can also make settings so that "recommended" sounds are not automatically assigned.	p. 63
Effect does not apply	When you are using Dual play or Split play, and different effects are specified for the two selected tones, the effect will not be applied to Tone 2 (when using Dual play) or the left-hand tone (when using Split play).	—
Reverberation remains even if You defeat the Reverb effect	The LX-10F's piano sound faithfully simulates the depth and resonance of an acoustic piano, and this may give the impression of reverberation even if you've defeated the Reverb effect. Also, you may be able to eliminate some reverberation by reducing the value set for "Cabinet Resonance."	—
The sound of the higher notes suddenly changes from a certain key	On an acoustic piano, the approximately one and a half octaves of notes at the top of the keyboard will continue sounding regardless of the damper pedal. These notes also have a somewhat different tonal character. LX-10F faithfully simulate this characteristic of acoustic pianos. On the LX-10F, the range that is unaffected by the damper pedal will change according to the key transpose setting.	—
High-pitched ringing is heard	Is the speaker cable connected correctly?	p. 14
	If you hear this in headphones: Piano sounds that have a brilliant and crisp character contain substantial high-frequency components that may sound as though a metallic ringing has been added. This is because the character of an actual piano is being faithfully reproduced, and is not a malfunction. This ringing is more obtrusive if the reverb effect is applied heavily, so you may be able to minimize it by decreasing the reverb. If you don't hear this in headphones: It is likely that there is some other reason (such as resonances within the unit). Please contact your dealer or a nearby Roland service center.	—
Low notes sound wrong, or are buzzy	If you set the volume to the maximum setting, the sound may be distorted depending on how you perform. If this occurs, turn down the volume. Alternatively, lower the master gain.	p. 17 p. 56
	If you don't hear this in headphones: Performing at high volumes may cause the speakers or objects near the LX-10F to resonate. Fluorescent lights or glass doors may also resonate sympathetically. In particular, this is more likely to occur for lower notes and higher volumes. You can take the following measures to minimize resonances. • Locate the speakers 10–15 cm away from walls or other surfaces. • Keep the volume down. • Move away from the objects that are resonating. If you hear this in headphones: It is likely that there is some other reason. Please contact your dealer or a nearby Roland service center.	—

Symptom	Cause/Action	Page
Song does not play correctly		
Song won't play	Could the screen be indicating "OK to erase Song?" You can't play back an internal song if internal memory contains performance data you recorded. Erase the performance data you recorded before you play back the song.	P.43
Only the sound of a particular instrument in a song does not play	Could a track be muted? If the button indicator is out, the music on that track is not heard. Press the track button so the indicator is illuminated.	p. 38
Sound is heard from a muted track	Could the track mute volume be set to other than "0"? If you set this to "0," the sound of a muted track will be completely inaudible.	p. 56
Song volume is low	Could the song volume be lowered?	p. 39
Can't play back a song saved in USB memory	Could the Audio files of the format be played? Audio files of the following format can be played back. • File extension ".WAV" • 16-bit linear • "44.1 kHz" sampling rate	—
	Is the filename extension "MID"? Files with other filename extensions cannot be handled as song data.	—
Song tempo becomes unstable	When playing a song from USB memory, the tempo may become unstable if there is an excessive amount of performance data.	—
Song name in USB memory is not shown	The song name will not be shown if the song information in the file is empty or consists only of spaces.	—
	Is the filename extension "MID"? Files with other filename extensions cannot be handled as song data.	—
Can't record / play back		
Can't record	Has one of the track buttons for recording been selected?	p. 48 p. 51
	You cannot record audio files.	—
The recorded performance disappeared	Your recorded performance will disappear if you switch off the LX-10F's power or select a song. There is no way to recover the lost performance. Before you turn off the power, save your recorded performance in internal Memory.	p. 44

Functions that cannot be used with audio file playback

- Reverb (p. 25)
- Saving to internal memory (p. 44)
- Playback (muting) of individual parts (p. 38)

Error Messages

Indication	Meaning
Error: 1	You can only read the music file. It can not be saved.
Error: 2	An error occurred during writing. The external media's protect tab may be in the "Protect" (writing prohibited) position, or the external media may not yet be initialized.
Error: 10	No external media is inserted. Insert the external media and try again.
Error: 11	There is not sufficient free memory in the save destination. Either insert other external media or delete unneeded files and try again.
Error: 14	An error occurred during reading. The external media may be corrupted. Insert other external media and try again. Alternatively, you can initialize the external media.
Error: 15	The file is unreadable. The data format is not compatible with the LX-10F.
Error: 16	Data was not called up in time for playback of the song. After waiting several seconds, you may be able to play back the song by pressing the [▶/■] button again.
Error: 18	This audio format is not supported. Please use 44.1 kHz 16-bit linear WAV format audio files.
Error: 30	The internal memory capacity of the LX-10F is full.
Error: 40	The LX-10F cannot deal with the excessive MIDI data sent from the external MIDI device. Reduce the amount of MIDI data sent to the LX-10F.
Error: 41	A MIDI cable has been disconnected. Connect it properly and securely.
Error: 43	A MIDI transmission error has occurred. Check the MIDI cable and connected MIDI device.
Error: 51	There may be a problem with the system. Repeat the procedure from the beginning. If it is not solved after you have tried several times, contact the Roland service center.
Error: 65	The External Memory connector was subjected to excessive current. Make sure that there is no problem with the external media, then turn the power off, then on again.

* External Media: USB memory, Floppy Disk, CD-ROM, etc.

Tone List

Piano

No.	Name
1	Grand Piano1
2	Piano + Str.
3	Harpsichord
4	Grand Piano2
5	Piano + Pad
6	Grand Piano3
7	MagicalPiano
8	Rock Piano
9	Piano+Choir
10	Honky-tonk
11	Coupled Hps.

E. Piano

No.	Name
1	Pop E.Piano
2	Vintage EP
3	FM E. Piano
4	Vibraphone
5	EP Belle
6	Celesta
7	'60s E.Piano
8	Clav.
9	Mallet Isle
10	Morning Lite
11	Marimba
12	Stage Phaser
13	Ballad Bells
14	'70s E.Piano
15	E.Grand

Strings

No.	Name
1	Rich Strings
2	OrchestraStr
3	Orchestra
4	ChamberWinds
5	Harp
6	Violin
7	Velo Strings
8	Flute
9	Cello
10	OrchestraBrs
11	PizzicatoStr
12	DecayStrings *

* Tones indicated by "*" are suitable for playing layered with a piano tone.

Others

No.	Name	
1	ChurchOrgan1	
2	ChurchOrgan2	
3	Combo Jz.Org	
4	Ballad Organ	
5	Accordion	
6	Nason flt 8'	
7	Gospel Spin	
8	Full Stops	
9	Mellow Bars	
10	Light Organ	
11	Lower Organ	
12	'60s Organ	
13	Aerial Choir	
14	Jazz Scat	
15	Harpvox	
16	Glass Pad	
17	Angels Choir	
18	Beauty Vox	
19	Soft Pad	
20	Female Aahs	
21	Male Aahs	
22	Thum Voice	
23	Lunar Strngs	
24	Decay Choir	*
25	Dcy ChoirPad	*
26	Nylon-str.Gt	
27	Steel-str.Gt	
28	Jazz Guitar	
29	AcousticBass	
30	A.Bass+Cymbl	
31	FingeredBass	
32	BrassSection	
33	Alto Sax	
34	Tenor Sax	
GM2		
35	STANDARD Set	
36	ROOM Set	
37	POWER Set	
38	ELEC.Set	
39	ANALOG Set	
40	JAZZ Set	
41	BRUSH Set	
42	ORCH.Set	

* 035–042 are drum sets.

No.	Name
43	SFX Set

No.	Name
44	Piano 1
45	Piano 1w
46	Piano 1d
47	Piano 2
48	Piano 2w
49	Piano 3
50	Piano 3w
51	Honky-tonk
52	Honky-tonk w
53	E.Piano 1
54	Detuned EP 1
55	Vintage EP
56	'60s E.Piano
57	E.Piano 2
58	Detuned EP 2
59	St.FM EP
60	EP Legend
61	EP Phase
62	Harpsichord
63	Coupled Hps.
64	Harpsi.w
65	Harpsi.o
66	Clav.
67	Pulse Clav.
68	Celesta
69	Glockenspiel
70	Music Box
71	Vibraphone
72	Vibraphone w
73	Marimba
74	Marimba w
75	Xylophone
76	TubularBells
77	Church Bell
78	Carillon
79	Santur
80	Organ 1
81	TremoloOrgan
82	'60s Organ
83	Organ 2
84	Perc.Organ 1
85	Chorus Organ
86	Perc.Organ 2
87	Rock Organ
88	Church Org.1
89	Church Org.2

No.	Name
90	Church Org.3
91	Reed Organ
92	Puff Organ
93	Accordion 1
94	Accordion 2
95	Harmonica
96	Bandoneon
97	Nylon-str.Gt
98	Ukulele
99	Nylon Gt o
100	Nylon Gt 2
101	Steel-str.Gt
102	12-str.Gt
103	Mandolin
104	Steel+Body
105	Jazz Guitar
106	Hawaiian Gt
107	Clean Guitar
108	Chorus Gt 1
109	Mid Tone Gt
110	Muted Guitar
111	Funk Guitar1
112	Funk Guitar2
113	Chorus Gt 2
114	Overdrive Gt
115	Guitar Pinch
116	DistortionGt
117	Gt Feedback1
118	Dist.Rtm Gt
119	Gt Harmonics
120	Gt Feedback2
121	AcousticBass
122	FingeredBass
123	Finger Slap
124	Picked Bass
125	FretlessBass
126	Slap Bass 1
127	Slap Bass 2
128	Synth Bass 1
129	WarmSyn.Bass
130	Synth Bass 3
131	Clav.Bass
132	Hammer
133	Synth Bass 2
134	Synth Bass 4
135	RubberSyn.Bs

No.	Name
136	Attack Pulse
137	Violin
138	Slow Violin
139	Viola
140	Cello
141	Contrabass
142	Tremolo Str.
143	PizzicatoStr
144	Harp
145	Yang Qin
146	Timpani
147	Strings
148	Orchestra
149	'60s Strings
150	Slow Strings
151	Syn.Strings1
152	Syn.Strings3
153	Syn.Strings2
154	Choir 1
155	Choir 2
156	Voice
157	Humming
158	Synth Voice
159	Analog Voice
160	OrchestraHit
161	Bass Hit
162	6th Hit
163	Euro Hit
164	Trumpet
165	Dark Trumpet
166	Trombone 1
167	Trombone 2
168	Bright Tb
169	Tuba
170	MuteTrumpet1
171	MuteTrumpet2
172	French Horn1
173	French Horn2
174	Brass 1
175	Brass 2
176	Synth Brass1
177	Synth Brass3
178	AnalogBrass1
179	Jump Brass
180	Synth Brass2
181	Synth Brass4

No.	Name
182	AnalogBrass2
183	Soprano Sax
184	Alto Sax
185	Tenor Sax
186	Baritone Sax
187	Oboe
188	English Horn
189	Bassoon
190	Clarinet
191	Piccolo
192	Flute
193	Recorder
194	Pan Flute
195	Bottle Blow
196	Shakuhachi
197	Whistle
198	Ocarina
199	Square Lead1
200	Square Lead2
201	Sine Lead
202	Saw Lead 1
203	Saw Lead 2
204	Doctor Solo
205	Natural Lead
206	SequencedSaw
207	Syn.Calliope
208	Chiffer Lead
209	Charang
210	Wire Lead
211	Solo Vox
212	5th Saw Lead
213	Bass+Lead
214	Delayed Lead
215	Fantasia
216	Warm Pad
217	Sine Pad
218	Polysynth
219	Space Voice
220	Itopia
221	Bowed Glass
222	Metallic Pad
223	Halo Pad
224	Sweep Pad
225	Ice Rain
226	Soundtrack
227	Crystal

No.	Name
228	Synth Mallet
229	Atmosphere
230	Brightness
231	Goblins
232	Echo Drops
233	Echo Bell
234	Echo Pan
235	Star Theme
236	Sitar 1
237	Sitar 2
238	Banjo
239	Shamisen
240	Koto
241	Taisho Koto
242	Kalimba
243	Bagpipe
244	Fiddle
245	Shanai
246	Tinkle Bell
247	Agogo
248	Steel Drums
249	Woodblock
250	Castanets
251	Taiko
252	Concert BD
253	Melodic Tom1
254	Melodic Tom2
255	Synth Drum
256	TR-808 Tom
257	Elec.Perc.
258	Reverse Cym.
259	Gt FretNoise
260	Gt Cut Noise
261	BsStringSlap
262	Breath Noise
263	Fl.Key Click
264	Seashore
265	Rain
266	Thunder
267	Wind
268	Stream
269	Bubble
270	Bird 1
271	Dog
272	Horse Gallop
273	Bird 2

No.	Name
274	Telephone 1
275	Telephone 2
276	DoorCreaking
277	Door
278	Scratch
279	Wind Chimes
280	Helicopter
281	Car Engine
282	Car Stop
283	Car Pass
284	Car Crash
285	Siren
286	Train
287	Jetplane
288	Starship
289	Burst Noise
290	Applause
291	Laughing
292	Screaming
293	Punch
294	Heart Beat
295	Footsteps
296	Gun Shot
297	Machine Gun
298	Laser Gun
299	Explosion

* In the tone group "Others" when you hold down the [-] or [+] button to switch tone in succession, the tones will stop changing at number 35 and number 44.
To select the next sound, release the [-] or [+] button, then press it again.

Internal Song List

No.	Song Name	Composer
1	Polonaise op.53	Fryderyk Franciszek Chopin
2	Valse, op.34-1	Fryderyk Franciszek Chopin
3	Nocturne No.20	Fryderyk Franciszek Chopin
4	Die Forelle	Franz Peter Schubert=Franz Liszt
5	Reflets dans l'Eau	Claude Achille Debussy
6	My Pleasure (*)	Masashi Hirashita
7	La Fille aux Cheveux de Lin	Claude Achille Debussy
8	La Campanella	Franz Liszt
9	Trio Grande (*)	John Maul
10	Scherzo No.2	Fryderyk Franciszek Chopin
11	Étude, op.10-12	Fryderyk Franciszek Chopin
12	Sonate No.15	Wolfgang Amadeus Mozart
13	Liebesträume 3	Franz Liszt
14	Étude, op.10-3	Fryderyk Franciszek Chopin
15	Je te veux	Erik Satie
16	Valse, op.64-1	Fryderyk Franciszek Chopin
17	Golliwog's Cakewalk	Claude Achille Debussy
18	Fantaisie-Impromptu	Fryderyk Franciszek Chopin
19	Arabesque 1	Claude Achille Debussy
20	An der schönen, blauen Donau	Johann Strauss, Sohn
21	Auf Flügeln des Gesanges	Felix Mendelsshon
22	Mazurka No.5	Fryderyk Franciszek Chopin
23	Gymnopédie 1	Erik Satie
24	Étude, op.25-1	Fryderyk Franciszek Chopin
25	Clair de Lune	Claude Achille Debussy
26	Étude, op.10-5	Fryderyk Franciszek Chopin
27	Dr. Gradus ad Parnassum	Claude Achille Debussy
28	Grande Valse Brillante	Fryderyk Franciszek Chopin
29	La prière d'une Vierge	Tekla Badarzewska
30	Course en Troïka	Peter Ilyich Tchaikovsky
31	To The Spring	Edvard Hagerup Grieg
32	Valse, op.64-2	Fryderyk Franciszek Chopin
33	Radetzky Marsch	Johann Baptist Strauss
34	Träumerei	Robert Alexander Schumann
35	Moments Musicaux 3	Franz Peter Schubert
36	Prèlude, op.28-15	Fryderyk Franciszek Chopin
37	Harmonious Blacksmith	Georg Friedrich Händel
38	Ungarische Tänze 5	Johannes Brahms
39	Türkischer Marsch	Ludwig van Beethoven
40	Nocturne No.2	Fryderyk Franciszek Chopin
41	Frühlingslied	Felix Mendelsshon
42	Präludium	Johann Sebastian Bach
43	Jägerlied	Felix Mendelsshon
44	Menuet Antique	Maurice Ravel
45	Für Elise	Ludwig van Beethoven

No.	Song Name	Composer
46	Türkischer Marsch	Wolfgang Amadeus Mozart
47	Ständchen	Franz Peter Schubert
48	Humoreske	Antonín Dvořák
49	Blumenlied	Gustav Lange
50	Alpenglöckchen	Theodor Oesten
51	Menuett G dur	Ludwig van Beethoven
52	Venezianisches Gondellied	Felix Mendelsshon
53	Alpenabendröte	Theodor Oesten
54	Farewell to the Piano	Ludwig van Beethoven
55	Brautchor	Wilhelm Richard Wagner
56	Battle of Waterloo	Wilma Anderson-Gilman
57	Wiener Marsch	Carl Czerny
58	Le Coucou	Louis Claude Daquin
59	Menuett G dur	Johann Sebastian Bach
60	Spinnerlied	Albert Ellmenreich
61	Gavotte	François Joseph Gossec
62	Heidenröslein	Gustav Lange
63	Zigeuner Tanz	Heinrich Lichner
64	La Cinquantaine	Gabriel Marie
65	Csikos Post	Hermann Necke
66	Dolly's Dreaming Awakening	Theodor Oesten
67	La Violette	Louis Streabbog
68	Fröhlicher Landmann	Robert Alexander Schumann
69	Sonatine op.36-1	Muzio Clementi
70	Sonatine op.20-1	Friedrich Kuhlau
71	Sonatine No.5	Ludwig van Beethoven
72	Late Night Chopin (*)	John Maul
73	Fly Free (*)	John Maul
74	L'éveil de l'amour (*)	Masashi Hirashita

Parameters Stored in Memory Backup

Parameter		Page
Piano Designer Settings	Lid	p. 35
	Master Tuning	p. 35, p. 55
	Damper Resonance	p. 35
	Key Touch	p. 35, p. 54
	Key Touch Offset	p. 35
	Hammer Noise	p. 35
	Hammer Response	p. 35
	Duplex Scale	p. 35
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Music Files That the LX-10F Can Use

What Are Music Files?

Music files contains musical information such as how long the key for a corresponding pitch is played, the force applied to the key played, and other such information. When the performance data (music file) is sent by the USB memory or CD-ROM, the song will be played exactly as specified by the data. This is different than an audio CD, since the music file does not contain a recording of the sound itself. This makes it possible to change tempos and keys freely, allowing you to use it in many different ways.

Regarding Copyright

Use of the song data contained in the LX-10F or any other song data supplied with it for any purpose other than private, personal enjoyment without the permission of the copyright holder is prohibited by law. Additionally, this data must not be copied, nor used in a secondary copyrighted work without the permission of the copyright holder.

Please be aware that if you create derivative works that are based on existing copyrighted material, such as commercially available SMF music files, such works may violate copyright law if used for any purpose other than personal enjoyment. Roland takes no responsibility for any copyright violation you may commit by creating such works.

The LX-10F Allows You To Use the Following Music Files

VIMA TUNES

VIMA TUNES is a Roland specification for music files that contains image and lyric data, allowing you to enjoy songs with lyrics and images simultaneously. When data bearing the "VIMA TUNES" logo is played back on a device that bears the same logo, lyrics can be shown on the screen of a connected external display or television, letting you enjoy karaoke or watch a slide show.

* This instrument (LX-10F) is not able to play back VIMA TUNES images.

* You can specify whether the recommended tones will be assigned automatically (p. 63).

SMF Music Files

SMFs (Standard MIDI Files) use a standard format for music file that was formulated so that files containing music file could be widely compatible, regardless of the manufacturer of the listening device. An enormous variety of music is available, whether it be for listening, for practicing musical instruments, for Karaoke, etc.

SMF with Lyrics

"SMF with Lyrics" refers to SMF (Standard MIDI File) that contains the lyrics. When Music Files carrying the "SMF LYRICS" logo are played back on a compatible device (one bearing the same logo), the lyrics will appear in its display.

General MIDI

The General MIDI is a set of recommendations which seeks to provide a way to go beyond the limitations of proprietary designs, and standardize the MIDI capabilities of sound generating devices. Sound generating devices and music files that meets the General MIDI standard bears the General MIDI logo. Music files bearing the General MIDI logo can be played back using any General MIDI sound generating unit to produce essentially the same musical performance.

General MIDI 2

The upwardly compatible General MIDI 2 recommendations pick up where the original General MIDI left off, offering enhanced expressive capabilities, and even greater compatibility. Issues that were not covered by the original General MIDI recommendations, such as how sounds are to be edited, and how effects should be handled, have now been precisely defined. Moreover, the available sounds have been expanded. General MIDI 2 compliant sound generators are capable of reliably playing back music files that carry either the General MIDI or General MIDI 2 logo.

In some cases, the conventional form of General MIDI, which does not include the new enhancements, is referred to as "General MIDI 1" as a way of distinguishing it from General MIDI 2.

GS Format

The GS Format is Roland's set of specifications for standardizing the performance of sound generating devices. In addition to including support for everything defined by the General MIDI, the highly compatible GS Format additionally offers an expanded number of sounds, provides for the editing of sounds, and spells out many details for a wide range of extra features, including effects such as reverb and chorus. Designed with the future in mind, the GS Format can readily include new sounds and support new hardware features when they arrive. Since it is upwardly compatible with the General MIDI, Roland's GS Format is capable of reliably playing back GM Scores equally as well as it performs GS music files (music files that have been created with the GS Format in mind).

XGlite

XG is a tone generator format of Yamaha Corporation, that defines the ways in which voices are expanded or edited and the structure and type of effects, in addition to the General MIDI 1 specification. XGlite is a simplified version of XG tone generation format. You can play back any XG music files using an XGlite tone generator. However, keep in mind that some music files may play back differently compared to the original files, due to the reduced set of control parameters and effects.

Main Specifications

LX-10F: Digital Piano

<Keyboard>

Keyboard	88 keys (PHA III Ivory Feel Keyboard with Escapement)
Touch Sensitivity	Touch: 100 levels, Fixed Touch
	Hammer Response: 10 levels
Keyboard Mode	Whole, Dual (volume balance adjustable), Split (split point adjustable), Twin Piano

<Sound Generator> Conforms to GM2/GS/XGlite

Piano Sound	SuperNATURAL Piano Sound
Max. Polyphony	128 voices
Tones	337 tones (including 8 drum sets, 1 SFX set)
Temperament	8 types, selectable temperament Key
Stretched Tuning	Preset, User tuning (adjustable in individual notes: -50.0– +50.0 cent), Off
Master Tuning	415.3–466.2 Hz (adjustable in increments of 0.1 Hz)
Transpose	Transpose: -6–+5 (in semitones) Playback Transpose (with Audio CD/Audio File): -6–+5 (in semitones)
Effects	Reverb (Off, 1–10), 4-band Digital Equalizer
	Only for Piano Tones: Open/close lid (7 levels), Cabinet Resonance (Off, 10 levels), Hammer Noise (5 levels), Damper Noise (Off, 10 levels), Duplex Scale (Off, 10 levels), Damper Resonance (Off, 10 levels), String Resonance (Off, 10 levels), Key Off Resonance (Off, 10 levels)
	Only for Organ Tones: Rotary Speaker Effect (Slow/Fast)

<Recorder>

Tracks	3 tracks
Songs	Recorder section: 1 song Internal Memory: Max. 99 songs
Note Storage	Approx. 30,000 notes
Control	Song Select, Play/Stop, Rec, Rewinding, Fast-forwarding, Previous song, Next song, Track Mute, Mute Volume, Tempo, Tempo Mute, All Songs Play, Count-in, Song Volume
	Center Cancel (only for audio playback)
Tempo	Quarter note = 10 to 500 Audio Playback Speed: 75–125%
Resolution	120 ticks per quarter note
Metronome	Beat: 2/2, 0/4, 2/4, 3/4, 4/4, 5/4, 6/4, 7/4, 3/8, 6/8, 9/8, 12/8
	Volume: 10 levels
	Metronome Pattern: 11 patterns

<Internal Memory>

Songs	Max. 99 songs
Storage format	Standard MIDI Files (Format 0)

<External Memory>

External Storage	USB Memory Floppy Disk (when using an optional floppy disk drive)
Types of data that can be played	Standard MIDI Files (Format 0/1) Roland Original Format (i-Format) Audio File (WAV 44.1 kHz / 16-bit Linear Format) Audio CDs (CD-DA) (when using a CD drive)
Storage format	Standard MIDI Files (Format 0)

<Others>

Internal Songs	74 songs
Rated Power Output	60 W x 2
Speakers	16 cm x 2 (with Speaker box), (8 cm x 12 cm) x 2, 5 cm x 2
Display	128 x 64 dots Graphic monochrome LCD (with backlit)
Language	English, Japanese
Lyrics	Yes (Built-in Display)
Control	Volume, LCD Contrast
Pedal	Damper (Progressive Damper Action Pedal, capable of continuous detection), Soft (capable of continuous detection, function assignable), Sostenuto (function assignable)
Other Function	Panel Lock, V-LINK
Connectors	AC inlet, Pedal connector, Input jacks (L/Mono, R), Output jacks (L/Mono, R), USB connector, MIDI connectors (In, Out), Phones jack (Stereo) x 2, External Memory connector
Power Consumption	140 W
Dimensions (including piano stand)	1410 (W) x 446 (D) x 1070 (H) mm (with top lid close) 55-9/16 (W) x 17-9/16 (D) x 42-1/8 (H) inches 1410 (W) x 453 (D) x 1124 (H) mm (with top lid open) 55-9/16 (W) x 17-7/8 (D) x 44-1/4 (H) inches
Weight (including piano stand)	93.6 kg/206 lbs 6 oz
Accessories	Owner's Manual, Power Cord, Roland 60 Classical Piano Masterpieces, Headphones Hook, Cord Clamps (*1), Stabilizer (*1), Felt (*1)
Options	Headphones, USB Memory, USB Floppy Disk Drive, USB CD Drive

(*1) Supplied with the stand

* In the interest of product improvement, the specifications and/or appearance of this unit are subject to change without prior notice.

Index

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